gaagtaattg gataacggca attccaactt cgctccacct ttaaactcaa aaatcagctc 120

cggcaccgtc acatctccct tcccggagat attaaaacac ggtccaagtc ctgtttcctt 180

ctccaagtct ttctcacgag tgtagttcga catctgtgaa gcgaattctt cagcaacgag 240

ctcgaaaacg ggtcgctcca tgaaagtgaa tgtagatccg gaatcaacaa tggatcctcc 300

gtctccgtta gttcccggcg cgagatactt atacggaatc ttcacgtgct ttcttccgac 360

gtagattccg ccgganattg aggtaataat actccgagaa aagctttgtt ggagacaatt 420

ggaattttcc gaa 433

<210> 16368
<211> 533
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-H1

<400> 16368

gnntnnnngg aantgtttcg cctggncngt accggccccg aaattcccgg aatcgnccca 60

cgcgnccgcc cacgcgtccg tatctaataa atggcgttac aaaggcaact cctgaagaga 120

gctacttccg atatctatca ccgccgtgcg atctctctcc tccgtactga tttctctact 180

tctccttcga ttgctgatgc tccgccgcac attccgccgt tcgttcacca gccacggccg 240

tataaaggtc cttccgccga tgaggtttta cagaaacgga agaagtttct cggaccttct 300

cttttccact actaccagaa gcctcttaac atcgttgaan ggaagatgca atacttgtat 360

gatgagagtg gtaagcgata tctggatgcc tttgctggaa tagtcactgt gtcgtgcggt 420

cactgccatc cggatattcc taatgcgatt acngaacaga gcaaggctac ttcagcacgc 480

gactactant tacctgcatc atgccnttgg gtgantttgc tgaaagcaat ggg 533

<210> 16369
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-F11

<400> 16369

tcgccggtga acggaactag ggtttcattc atccccaaat tgataacaag aaaatggctc 60

atgcttgcgt ctctacatcg gcttcttctc tcanattcac agctggattc gtctccgcta 120

gtcccaatgg ctcctctttc gattctccca agctttctct tcctttcgag cctctccgtt 180

caaggaagac gaatangtta gttagcgata ganagaattg gtnnaattca actccgagag 240

ctgtatattc cggcnatctc tggacaccgg agattccntc tcctcaatga gtttggtcca 300

ttaganatga tttacaagtc ccttcttcgc cgtattttcn tgcttatgct cantngacaa 360

ggaccanctc ctaaggggca aagaac 386

<210> 16370
<211> 243
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-F2

<400> 16370

cntanatctt nagtntatgg gaagaggatc aggctgcagc tgctttgcag gctctgcaan 60

gtagcgttct attcaatgac cgtcccatca ctgcngattt ctctcctgtg aaggttttcc 120

gcnacagcca cgtgtaagca tctactgaag gaaaacaacg tgnaaccgat ggtgggtact 180

gtcctttcat gctctgtgaa ngcttgtttc gaaggaactc cngtgaaaaa ctcnttggga 240

nat 243

<210> 16371
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-F3

<400> 16371

catatatata taaagcaaac atgtttctta gttcacaaag agaaaaggag atagtactct 60

tattagtacc atagtcaccg agcttaattt gagtactatt tccttttctc tttgtgaact 120

aagaancatn tatatntann gcaaacatgt tccaganaaa ggnaaaancc nnaagggcgg 180

ccgctctaga ggatncaagc ttacgtacgc gtgcatgcga cgtcatagct cttctatagt 240

gtcacctaan ttcaattcac tggccgtcgt tttacaacgt cgtgactggg aaaaccctgg 300

cgttacccaa cttaatcgcc ttgcagcana tccccctttc gccagctggn gtaatatcga 360

aaaggcccgc accgattgcc cttcccaaca gttgcgcagc ctgaanggcg aatgggacgc 420

gccntgtagc gg 432

<210> 16372
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-F4

<400> 16372

gatttttga cagcaattct tagtttctct tctatcccct ttctgggttt tgttgaaccc 60

tagctcgctt tggatccagt ggttttaagt taaaggtaaa tttatcgaaa gtaagtagat 120

tcctaatggc agcttccaat cattcatctg gtaaacctgg aggagtttta agtgatgctt 180

tatgtaggga gctctggcat gcctgtgctg gacctcttgt aaccctacct cgtgaagggg 240

aacgagttta ttatttccct gaaggccaca tggagcagct cgaggcatca atgcaccaag 300

gtttggagca acagatgcct tccttcaacc tcccatctaa gatcctctgt aaaagttatc 360

aacatccaac gcaaggcaaa gccccgagac tgacgaagta tatgcgcaaa taancttatt 420

gccaaaactg gattaaaanc aaaccactan ncc 453

<210> 16373
<211> 553
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-F5

<400> 16373

gngngggggn tgnngnantg nctgcctgnt ctaccggccg ganggtccga taantcccgg 60

gtngccccac gngtccgctc atctcctctc cgtcgagctt actatctcca caaaatggcg 120

tcgacggtag gagttccatc actataccaa gttcctcacc ttgaaatctc caaacccaat 180

tccaanggng aggtcggaat tgtttatctt tatctctcga taagcctttc ttcactccct 240

tatctcttgt tcgtagaact cgtcgtatcc attcctcttc tcttcttgtt ccttctgctg 300

ttgctactcc taattctgtt ctcagtgaag aagctttcan aagtcttggg tctttctgac 360

catgacgaat atgaccttga cggngacaac ancancgttg naagcctgat ggatgggtga 420

nggaactccg ctatctccta ancttagtt ttgcctccaa cgttcttgga agaatctcnt 480

tggagaaaac gtggtatnac tcatctcctt ccccaattca gaagagctgt gttggtacct 540

gcactgncan ggg 553

<210> 16374
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-F6

<400> 16374

actttgctcg cattgatgga tggtatttgg ctcccaattc aaatttatca tcacctgtaa 60

gtgaaacgct tggaggaacc aagtcaggag atattatatt cacagacatc ancctggtta 120

gcctagtgca atttcaccgg ccttcaaatt tacccggagc tactaatact ttgcattgtt 180

cttagaagta acacttgaat gcatatctca aatgctctta cagataagtg gcatggagca 240

aactagcttt ctcttccagc aggcatctaa ggttggattt tctcattcaa acattctgcg 300

aacaatcgtc caccgtgctt gctcgaggtt tccccatctt gattgggtat aattatgggg 360

tatagtccaa ttactccaag gttcaacaac cctggaagtc tctgaaggac ccccagaaag 420

tgttgtcata tttggaggag atactcagag cg 452

<210> 16375
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-F7

<400> 16375

agacgacctc caagaagaaa gatacaaaaa cagagcaaca ccaagcagcg acggtggttc 60

ttccgccaca ccaaaccacc agcaccaccg ccgtaccaac agcaacaaca nncaccagca 120

cactctaaca cctctccacc acaacggcaa accccaaacc agaaaacgac atgacgacaa 180

cgacgaagac gatggtggtg ccgtatcctg caacaagtgt cgacctcacc actctcaccg 240

tgacaaattc tccgtcgtac ctctcgaaag ccacaacaac ccttctttca tctctagccc 300

caatctcata atcaaatcca tcttccaatc tctcacacgg gagaagcccc aaaccttctc 360

tgcannggag gcgcttccat ngcnctcttc ctcatcctcc gctgcagatg cttcnagatn 420

aagaacagtg gnggttagct gtggcggnag ctt 453

<210> 16376
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-024-Q1-E1-F8

<400> 16376

gctctactat cgccggttct tctaccttgc tccggcgatt ccaccggcgg cgtcgaggat 60

gattctccag cgaccgtatg tatcgtcggg agtgggatcg gaggctcatc cgtagctcac 120

ttcctccgta actactctgt ttccaccggc ttaaatcaag ccaagatcct gatgtttgag 180

cgtcacgaga tagtcggtgg acgcatgagg accgtcactg tcgccggtga tactttcgaa 240

gccggcggtt cgattctcca tccgaagaac taccacgtta aggatttcgt cgaaaggttc 300

aatctgacgg ttcgattacc gacgccgatt gaagaatctt cagcgattgg aatctgggat 360

gggaagagat ttgtcgtcaa gacattccgt tccggtacca aatttcccgt ttttggatac 420

gatcgtctcc ttgggtgaaa tgatcctact tgg 453

<210> 16377
<211> 527
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-G1

<400> 16377

nnnnnnnngn aactgtttcg cctggctcta ccgggcccgg aaattcccgg atcgncccac 60

gcgtccgttt tgacaaagcc ccccaaaaaa aaaaagagtt caaaatgaaa aacgtgagaa 120

atggatttgt catcattctt ctcaccgtcc ttagtctctg aaaataaatt ctgattttga 180

tttcgaattt tagggatttt gagagagagt cagttatgag tagttcggag agagtaccgt 240

gcgatttctg cggcgagcgt acggcggttt tgttttgtag agccgatacg gcgaagctgt 300

gtttgccttg tgatcagcaa gttcacacgg cgaatctgtt gtcgaggaag cacgtgcgat 360

ctcagatctg cgataattgc ggtaacgaac cagtctctgt tcggtgtttc accgataatc 420

tgattttgtg tcangagtgt gattgggatg ttcacggaag ttgttcaatt tccgatgctc 480

atgttccatt cgccgtggaa ggttttccgg gtgtccatcg gcgttgg 527

<210> 16378
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-G2

<400> 16378

gcccacgcgt ccgaaaactc ttgagagcta acaaaacaga gaaccaacga ataaaacaaa 60

aatgccttct ttagagaaat ctgtaacaat aatctcaaga aacagagtct tcccagacca 120

aaagtcaacc ctcgttgacc tcaagctctc cgtctccgat cttcccatgc tctcttgcca 180

ctacatccaa aaaggttgtc ttttcacgtg ccctaacctt cctctccccg cgcttatctc 240

acacctcaaa cactctctct caatcactct cacccacttc cctcctctcg ctgggccgtc 300

tctcaacctc ctcctccggg caacgttttc ctcaacctgg aaatgacgcc nggngccgga 360

ttttggtttt tcgcccaaag caaaattcat ccaacgtnaa gccgaacgtt gatttgccgg 420

gnattcgaan gtttccggaa tgtnggtcca aaagaggttt tttcaaccta angaacaaga 480

aggg 484

<210> 16379
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-G4

<400> 16379

agaacaagag agaggagaac ttgcagaaga agcggcgtga aggttttaat ccttccatgg 60

cgtcacagcc agggcaggat ttctcctcgt ctctccctac ggaaacgaga ttggagaata 120

tacaacagat gattgctgga gtaatgtcag aggatagaga cttacaattg gaggcgacgg 180

ctagcttcag gagattgctt tcaattgagc gaaatcctcc aatcaatgaa gttgttcaat 240

ctggtgttgt tcctcacatt gtgcaatttc tttccaggga tgacttcact caacttcagt 300

ttgaggcagc ttgggcgctt accaatatcg cttcagggac atctgagaac actaaggtca 360

ttattgataa tggtgctgtc cctttaatcg tcaaacttcc taattctgca agtgangaaa 420

ttcnanaaca agctgtttgg gcaattggga aacntgctg 459

<210> 16380
<211> 515
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-G7

<400> 16380

gaatgtcnng cctggnccgt aaagggtccg attattcccg ggtggcccca cgcgtccgat 60

attctcctta tcaagaatcc tctgatcagt caaataccca tcaatcaatc aaatccccaa 120

acactcccaa aaaaagatca gcttccaata tttttccccct tcttacaaan aagatgtcta 180

tgtcgtctat gtcctccccct tcctcagctg tttgttcacc ggaccacttc tctccttccg 240

accatctctg ctatgtccaa tgcaactttt gccaaaccat ccttgcggtt aatgttcctt 300

acacaagctt gttcaagacc gtaactgtcc gatgtggttg ctgtaccaat ctcctttcgg 360

tgaacatgag atcatatgtc ctcccaagct tctaaccagc tccagctcca gctcggtcct 420

cactcttact tcaatcccca ggatattctg gaggagctga gagatgcanc gtcnaanatg 480

aatatgatga tgatgaatca ncatccnact atgng 515

<210> 16381
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-G8

<400> 16381

gaancaaact catcctcaat tgtgttggac cgtttcgtat ccatggtgat cctgtcgtct 60

ctgcttgtgc tgattcaggg tgtgattatt tggatataag tggtgaacct gagtttangg 120

agagaatgga agctaactac catgatagag cagaagagac tggctcttta atcgtttctg 180

cttgtggttt tgattcaatt cctgctgaat tgggtcttct ctttaatgct aaacaatggg 240

tatctccatc ggttcctaac cagattgaag cgtaccttag cttggagtct gacaaaaaat 300

tgctgggaac tttggggact tatgaatctg cggttttagg tgttgctaat gcagaaanag 360

cttanagaat taagacgttc aagaccanga angccaagac cancgatttg tggtcctcct 420

gctaaaggac aacattaaga aaaccangaa gacgattng 459

<210> 16382
<211> 93
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-G9

<400> 16382

aagngcgatt gctcanttca nccaacctgc acttgaggct gtattcgacg atactcctaa 60

agagtttgat tcttttgaag atgttcttan cat 93

<210> 16383
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-024-Q1-E1-F10

<400> 16383

aaaaacaaaa caaaacttaa gttcatacat catggcctta atagctacca aaataagttc 60

acgttcttgt tttgtttctg cttatccaaa caattctcca tcgtttcnga tatccaaatt 120

tcccaatacg gtcgattctt tgtcgcctgc aaatactgct aaaagatcga tcttganaaa 180

cgtccatgct tcagtttcta acccttcgaa ncagtttcat aataagacat ccttagtata 240

tatattctgc ttacttttg ttgctcatgc tgttttcaga actangaatg tgtttgttct 300

tgtacgtagg aatatttaca cgagttgant atcaagaana tcaagaatat actaagtgca 360

aacgtagatg ttccatccga gaactggaga tgatcgatgt cattcaaagt ttaagcnntg 420

atcncaatt 429

<210> 16384
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-E2

<400> 16384

aaaccttggn cggncccttg gntnaaatng ttnaaattaa aaaaccgaaa ctttctcgtt 60

tcttcttctt cttctccaat tttcaaaatt cgaaaagatg ttgaagcttt cgtgtaatgt 120

gactgattct aagttacaga gaagcttact cttcttctcc cattcatatc gatctgatcc 180

ggtgaatttc atccgtcgga gaattgtctc ttgttctcag acgaagaaga caggtttggt 240

tcctttgcgt gctgttgtat ctgctgatca aggaagtgtg gttcaaggtt tggctactct 300

cgcggatcag ctccgattaa gtagtttgac tgaagatggt ttatcttata aagagaagtt 360

tggtgttaaa tcttaacaaa gtggggtagt aacaaaancg ctactgttga aancaatggc 420

aaacctttac anggaggtgg ga 442

<210> 16385
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-E3

<400> 16385

ggnnnnngna atntccttcc tgnaccnanc ggtccgaccn atcccgggtg ngccccacgc 60

gtccgcaana tcacactttc ataaagctca taacatacat aaaaaatggg tgaatctttt 120

agattattca atcatcatca cttcctcaca acttttctca taatcatagc catgctcaaa 180

ttggttcata caacaacaac aacaactaca acaacaacaa caaacaccga gttcgtaaaa 240

tcatcatgca ctttcacaac gtacccaaga ctctgtttct cttcactctc aactcatgct 300

agtctcatcc aaacaagccc caagctcatg gctcatgcgg ctctcaacat cacattagcc 360

tcggctaaag taacttcagc aatgatggtg cgtctctcga atagtcggct caagcctaaa 420

gaagtctcgg gcatgagaga ctgcgtcgaa g 451

<210> 16386
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-E4

<400> 16386

aantctnagn gntccaccgg tccancatcc gggtgncccc aagcctncgn caaancctg 60

gaaccaaanc natncaanaa anncnaanct ttncaaccct ngctnaaagg ngttncaang 120

gctttcttta atccttttgg gttttgagat tgctgcttat ttcaaaggtt ggagctttgg 180

aacttctaag cttcagcttc agtttatctt caataaaggg ttctttgatt gggtttacac 240

gagatgggtt ttgcttcgtg ttgagtatct tgctcctcct cttcagtttc ttgctaatgg 300

ctgcattgtt ctgtttcttg ttcagagtct tgatagactc attctttgtc ttggttgttt 360

ttggatccgg tttaagaaga ttaaaccggt tcctaaaccg gattcnactc tgatctgaat 420

ctggtgataa tggtgctttc ctcccatggt cttgtcaaat cccatgtgta atgagaaaga 480

ggt 483

<210> 16387
<211> 365
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-023-Q1-E1-E6

<400> 16387

atattcttga ggagagatgc cgctttgaaa ccagggtttg tggttaagaa gctgaggaaa 60

gtgaaaccag gaaagatttt gaagtaccaa aaggttatga aagaggttag gcgatatttt 120

gactatacac atctaaatgg aagtgtgaac gagatctgga gacaagttac taagaagata 180

ccgctaatca aactgatgat taatcgggag aagcgcatga tcaagagaga tggaagtgac 240

cctcaatgtt cttgtttatg ctcaaaccaa accgggatca tccatggtgt ctagtaaggt 300

taaatgccta gcaagctcat gctaagcaac aaaatgtgat cattaataat gatgaatcaa 360

agact 365

<210> 16388
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-E8

<400> 16388

gnnnnnggaa ngtcttctgc gncgtaccgg tcaannaatt cccgggtccc ccacgcgtcc 60

ganntggggg ttttcataat ttttggttct tcagctcctc aagcttcgat agggttttag 120

taattttccg atggcttcaa gctcagagaa aacacctctt attccttcag atgagaaaaa 180

cgataccaag gaagagagta agagtactac taaaccagaa tcaggctcag gagctccacc 240

ttcaccttca ccgactgatc ctgggcttga tttcaatgct tttgatttct ccggcatggc 300

tgggatcctc aatgatccaa gtatcaanga attggctgag caaatagcta aagatccttc 360

atttaaccag ttagctgaac agcttcagag atttgtgcca ancgggatct caatgaaagg 420

aaggccaacc taactttgat tcacaacaag tatatgcaaa caatgcaaca agttatggga 480

gaaacctgag ttttagaaca atggntggac 510

<210> 16389
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-E9

<400> 16389

agcagagaga gagagaaagt tcgagcggaa gagaagcgga aagctcgagg agtcatcaat 60

ggtgacggac gatagcaact cctctggacg aatcaagtct catgtagatg atgatgatga 120

tggtgaagaa gaagaagata gactcgaggg tttggaaaac agattaagtg agcttaaaag 180

gaaaattcaa ggagaaagag ttaggtctat taaagagaaa tttgaggcta atagaaagaa 240

agtggatgct catgtttctc ccttttcatc tgctgcatcg agccgagcta ccgcagagga 300

taatggaaat agcaatatgc tttcttcgag aatgagaatg ccactctgca agttaaatgg 360

ttttctcatg gtgttgggag atagagacaa gttcccnact aaggatgtta tatcancaa 419

<210> 16390
<211> 255
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-F10

<400> 16390

ngatccaaac attattgtct taaaagcaaa acaagtgcga agtggttcca taagcaacgt 60

tgcaatgtat gtgaagtgat taatgagtct tgtggtatgt ggtgaattgc tcataatcga 120

tctgattgtg gtcaaatgtt catatatata tgtatatctt tgaattttac tttgttttca 180

tgatgtctta tgttttgttg atctattgaa gagaaccatg tttgtttgtt ggaaaaaaaa 240

aaaaaaaaag ggcgg 255

<210> 16391
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-F12

<400> 16391

acttattggt aactatgtcg tcaatcttga agcctcgcac catgtctaca agagacttac 60

ccaaagcact aacaccaaat ctccttccgt aaaccagccc taccggaccg gtttccattt 120

ccaacccccc aaaaattgga tgaacgatcc taatgggcct atgatataca aaggaatata 180

tcatcttttc taccaatgga acccgaaagg agccgtgtgg ggtaacatcg tgtgggctca 240

ttccacgtca acagacttaa tcaattggga tccacatcct ccaactatct tcccatctgc 300

acccttcgat atcaacggat gctggtccgg ttcagctact aatctcccta atgggaaacc 360

gggttatcct ctataccgga atcgacctaa gaacaacagg tcaaaacata gccganccta 420

agatctctcg atct 434

<210> 16392

<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-F2

<400> 16392

gnnnnnggaa tgtnttcctg cnccacggtc cganaatccg ggtngnccca agcctncggg 60

aaaacggtnc natngncgcc gggaacncaa cttcanggcg gtanctctag caatctgtca 120

ccacccaatc gaaaacctaa taattccatc gtccgatacg gatgcggatc ttcgaagcgt 180

ttccgtatcg taacggtctt ggcgtcactc cgggaaaacg atgcaaacgg aagggataac 240

tccgtgagag ctatggaagt gaagaagatc tttgaagact cgcctctgct tcctaagccg 300

ttatcatcga accagctcac ggaatctgtc tctaatggct cccgcgttcg tgttgcgtat 360

cagggagtac gangtgcata cagcgaatca gctgctgaga aggcttatcc aaactgtgaa 420

gctgttccat gcgaagagtt tgacactgct ttgaagcggt tgagcggtgg cttgttgaca 480

aaactgtttt accgaattga ga 502

<210> 16393
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-F4

<400> 16393

nnaantcccn ctgntgncac ggtccgacgn acccgggtgg ccccacgcgt tcgggaaaag 60

tgtgcctccc gagctggnta tncaatggag ttgcactgct tggtgaatca atggtcagca 120

gataacaaag atggtgtcct attgtgctta tcacatggct cccancccag ngaacgtgtt 180

aattatacaa actccttcat cgagccttct ctgcananag tcttgtccaa cacaanaaga 240

aaggtggttc caggcttatt tcattaatca cgagaagacg atgaancacc tgcngagaat 300

accattacat gtgattcatt ttctgctgct cgttgtcgag tatttaatag aaagatcant 360

atcacgaaga ngattgaata agaagccatt cctcaccaca caatgggacc acgccatcat 420

gcatcagcag caatccaaac tttanncaca ttcanacatg tgccagaaga anccaaatcg 480

tttcctcctt canggaacga a 501

<210> 16394
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-F6

<400> 16394

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gatccgtcct ctgtagctct agaacaatgg ggtttatctc taggaatgtg tttccggcat 120

gcgagagtat gtgcatttgc tgtcctgctc tcaggtcgag atctcgtcag cctgtcaagc 180

gttacaagaa attgctcggc gagatcttcc ctaaatcccc tgatggtgga ccaaatgaga 240

gaaagattgt caaattgtgt gagtatgctg caaagaaccc aatccgtatc cctaagattg 300

ctaagtttct tgaagagagg tgttacaagg accttcgatc tgaacaagat gaagttcatc 360

aatattgtca ctgaagctta caacaaaatg ctttgccact gcaaaggatn agatggctta 420

atttcgctac aagtttgctg aa 442

<210> 16395
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-F7

<400> 16395

gctgagaatc atttcttctt cttcttcctc actttgttca tcatcttctt ctccgatcta 60

aacaacaatg gcgacaccag gagcttcctc agcaagagat gaattcgtat acatggcgaa 120

actcgccgaa caagcagagc gttacgaaga aatggttgaa ttcatggaga aagtcgcgaa 180

agctgttgac aaagacgaac tcaccgtcga agaacgtaat ctcctctccg tcgcttacaa 240

aaacgtcatc ggagctcgtc gtgcttcgtg gagaatcatt tcatcgatcg aacaaaagga 300

ggagtctcgc ggtaacgatg accacgtttc gttgatccgt gactacagaa gcaaaatcga 360

aacggaactt ctgatatctg tgacggnatc cctaagcttc tcgatacgaa tccccgttcc 420

cggctgcngc ttc 433

<210> 16396
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-F8

<400> 16396

ntgcgngnnc gtaccgtgtc agngcnttcc cgggnccccc cacgcgtccg aaaaaaacaa 60

aacaaaaaat ggctacccga aaagctctga tcaacgttca ccggatcatt cgctccaccg 120

ccgtggttgg ccggagctct atcattcctg ccgccgctaa ccggtcatat cctattatat 180

tccggaatgg agttgatttg ggggcgagat tcttctgtga gaacactgcg tctgcccaga 240

atttcgatat tgatctctct aacgaagaga ataagagaag aacgatcaac agattgttgt 300

ataggagcaa gcaaagaggg tttttggaac ttgatcttgt tttggggaat tgggttgagg 360

agaatgttaa ttccatggac gaaaatggtg ttaaatccct aattcatgtc ctcaatttgg 420

aaaaccctga tctctggaaa tggctaactg aacaggaaca acctcccgga agcagtgagt 480

tcaaatcccg gtgt 494

<210> 16397
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-G1

<400> 16397

gnnnngaacg tcttcctgcn ncaccggtcc gaaatcccgg gtcgncccan gcntncgccg 60

aanccttggn taaaaaaaca ncaaaggctt nggttaccga nctcaagaaa atgtctaagg 120

aggttgaaga cagtgaactt gcagatgttg cagctgttag tgcgggtaac aacgacgaaa 180

ttggaaatat gattgctgaa gcaatgagca aagtgggcag gaaaggtgtg gtgacccttg 240

aggagggtaa aagtgccgag aacaacctct acgtcgtaga aggaatgcaa tttgaccgtg 300

gttatatctc tccttacttt gtgacagaca gcgagaaaat gtccgtcgag ttcgacaatt 360

gcaagttact tctcgttgac aagaaaatta ccaatgcaag ggatcttgtt ggtgttttgg 420

aggatgcaat tagaggcgga tacccaatat taattattgc tgaagacatt gaacaagaag 480

cttaacgact cntgttgtaa ac 502

<210> 16398
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-E10

<400> 16398

ttgtcgacag tcttcttctt cttcttcttc ttcgattgga tctggaactg aactcaaatt 60

gggaagaatt ttgacatgga ggaggaccgg tgttcgatca aggatgatgc aactcaattg 120

ataggtaaca ccccaatggt atatctgaac aacattgtgg atggttgtgt agctcgtatt 180

gcagctaagc ttgaaatgat ggagccttgc tctagtgtca aggagcgaat tgcttatggt 240

atgattaaag atgcagaaga caagggattg attactcctg ggaagagcac actgattgag 300

gctacctctg gtaacaccgg gattggttta gccttcatcg gtgcagctaa aggttacaaa 360

gtggtcctca caatgccctc atcaatgagc cttgagagaa aaatcantcc tttaacatta 420

agtgccggag ggtcaact 438

<210> 16399
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-B7

<400> 16399

gnnnnnggaa attnnngcgc nnacgtaccg gtcaancntt cccggggccn cccacgcgtc 60

cgaaagattc ttcattgacg gtaggagtca ccacttttgg cggcgattcc ttgttctcta 120

ttttttttgc acaagcaaca tttagcttct gcaaactcca gttcatctct caaccctcat 180

atcgccgtgt tttctcgctc tagtaccgcg agctcggacg aaccaggaag caatccgtta 240

atctagaagc ggtgttgaga agatgacgat tacatcaaat atctctgtac agaacgataa 300

cctcgttgtt caagggaaga ctatccttac caaaatccct gacaacatta tcctaactcc 360

ggttaccggt aatggattcg tttccggttc atttatangc gcgacgtttg aacaaagcaa 420

gagtcttcat gtgttcccca tcggtgtatt ggagggtcnt cggttcatgt gctgttccgg 480

tttaagctat ggtggatgaa t 501

<210> 16400
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-C1

<400> 16400

aacttnctnc ggccgtcgta ccggncaagt gtcccngggg gcccnannct tcngnaaanc 60

gnttccncaa ttgaggaaac atttcccttt ncgtggntct tacnagaccg agaagagagt 120

aagatatgtc cggcgcatcg tctgaggata gcagtatttt cgctcgctgt gaagacgtag 180

actgtaacaa gaaaatacct gtagagcttg taaggatgca catttgttat gctatgttcc 240

ataggactct ggcagctcga ggttttggga cacaaactca ggctaagaag aaacctacaa 300

acaagaagaa gtcaacaaca tctcttaccg attttgctgt cttcatgaat catttccgta 360

aatcttttag aacagattat aatggtgcat tggtgaaaga aggttcaaag atcggttggg 420

aaatgtggaa gtctatgact gangatgaga agaaaganta tctcgataaa gctgctgatg 480

angaagatga ggat 494

<210> 16401
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-C2

<400> 16401

tnngnggaat gtctccctgn atcancggtc cgaggnatcc cggggngccc cacgcgtccg 60

caaaaggtna atcctncang ntggcaatng tancanttaa ttnaaaccct tggaagaaac 120

acngtttanc aggagttgaa gaaatgttgt tatactatac gagaaagatg gaaaagatng 180

atagatgctc tcatctattc ttgaagatac tttctactgt tttgatctca aatcttaggc 240

atgattcatg gtcagatgct tcattctttc ccttccccca tcccagtgtt gtttctgcat 300

tgctttctcc agattgcgan ggtgacagaa ccgagagaat ctgtgagcgg aagttagacg 360

gtaacaacga tgtcaggatt ggtttggaaa agatgttgaa tgaatggctc agatttgggt 420

tgaagtgatg aatgttatta ttgtaatcct tttngtcttt tgttctgttt tgtactttct 480

catgttagca cagacataaa taaac 505

<210> 16402
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-C4

<400> 16402

nnnngngnaa tgtcttgcct ggtcgtancg gtccgaggan tcccggggng ccccacgcgt 60

ccgcnaaang cgtccgcctt aatttcgtct ccgtcagtag cagtctccgc cgggaatatt 120

ttttttccgg tagctatgct ccgaaccgtc tcttgtttag cttcgcgcag ctcgtcctcn 180

ctattctttc gcttctttcg tcagttccct cgctcttaca tgtctctcac atcgtcgacg 240

gcagctctcc gtgtccccag tcgcaatctt cgccgaattt cctctccctc agtcgccggt 300

agacgtcttt tgctccgacg aggtttgagg attccctccg ccgcagttcg cagtgtcaat 360

gggcagttct ctcgcctctc tgttcgcgcc gtcgccacac aacccgctcc actttatcct 420

gatgtaggtc aaagatgang gctgagaagc ttggatttga aaaagtgtcg gaagaantca 480

tctcagaagt gtaaatcaaa ggngatactc 510

<210> 16403
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-C5

<400> 16403

gtngnggaan ctcnntccgg cgacgtaccg gtcaagcgtt cccgggnccn cccacgcgtc 60

cgcaaagatt gtttctcaac acacttcaag gaactttatg aagtctaaaa aggcaaacaa 120

gaagtttgat ttcaaagttt tcacagagac attgcctagt aaactcgaag gtaactcata 180

catacccgtt gagctttatg gtttgactaa agacaagaca gactatggat ggtacacaac 240

aagcttcaag gttcacaaga atcacttacc taccaagaaa ggagttaaga cttttgtgag 300

gattgctagt cttggacacg cgttgcacgc ttggcttaac ggagaatacc ttggaagtgg 360

acatggaagc cacgaagaga agagttttgt tttccaaaaa caggttacac taaaagcagg 420

agagaatcat cttgtaatgc ttggtgttct cacaggattc ccagacagtg gatcttacat 480

ggagcataga tacaccggtc ctcgt 505

<210> 16404
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-C6

<400> 16404

ggnnnggaaa cttcnncgng acgtaccggt caaccnattc ccgggnccnc ccacgcgtcc 60

gnnacctcaa ccgtcttctg ctcctccgcc ccgccacagt ttcttagggt tcttccgcat 120

tgtttctccg aattgcaatc ccctcattct ccacaataaa cagatagcta atataattga 180

gtttggatac tcgcaagtga aaatatgtcg gtcacagcgg gagtgagtga atctgcaatt 240

gctgtaaggg agaaactaaa aggtggtatt ggacagacta aagtgcgaag gtattggcca 300

ggaaaagctc cggagtgggc tgaggaagct gaagaagatg atgatgttag gatgcagaag 360

gtttctgttt tggatagagc ttttccaaag aatgatgatt tgggtgttgc taggaaggat 420

gatccaaggc tgcgccgttt agctaagact aaagttgaaa accgtgacga agttagagct 480

gatnatcggc ggataagaca agct 504

<210> 16405
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-C8

<400> 16405

gcttcgctta aaaaaatatc gcttctctcg agaggggaag gaaagttcat ttctttttgt 60

ccaattcttt caacttctcg ttccaatccc ctcaattctc cgtttcaccg aacgcacttc 120

gaacccttaa ttgctttttg cgggtcaagt ttcgattcga gcgttttagg gtttcgtatc 180

tgaatcggtc gacaagataa acccttttgt gggggtttcc tctagatttc gaaaacagag 240

ggatagcttt cgtttggatg gaaattctct gaaactaaac tacatagtga tatggagaca 300

caaattcatc aacttgagca ggaagcatat accgctgttt taagggcttt taaagcgcag 360

tctgatgcga tttcttggga aaaagaaagc ttgataaccg aattgcgtan agaattgaga 420

agtatctgaa ng 432

<210> 16406
<211> 94
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-C9

<400> 16406

tggcggtgga nagccnccgg attggcatga ttttgtcggt atcatttgtc ttttggttan 60

aattcagcta tcagttttgt cganaaaatc atgc 94

<210> 16407
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-D12

<400> 16407

tgagtgagca aaaaaactca aaaccctcca tggaaatggg agagagaatc aattcgagtt 60

gttgttaggg ggtttgcgat attttaggct tctgtcggtg atctcgacca aaanaaataa 120

acaaaggagc tagtagggtt ctgttttctc tatcactcgg aaggaagctg gtttatgtca 180

aaactttgtt cttcggaaaa tgcgaaaatc gttcaaggat tcactcaagg ctcttgaagc 240

tgatatccag ttcgccaaca ctctggcgtc agagtaccca gaggagtatg atggtggcta 300

cgttcagatg agattatctt acagcccggc ggctcatctc tttctcttcc ttcttcagtg 360

gactgattgt catttcgctg gcgctttggg cttgcttang atccttattt ataangnata 420

tgttgatggg gaagacca 438

<210> 16408
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-D2

<400> 16408

gtngngaann tctnccgnan canggtccag gatccggggn ccccacgcgt ccggaaaatn 60

aggtnatggc aacaagnnat ttnggcnatt tnggggtatt ccncncgttg tcnatggaat 120

tttaccccaa gttgccctca tacatggagt tagcgtcttt cccaaggcat cggatccatg 180

gttttggctt tacattatct tgtttctcgg tgggtacgcg caagatctat cagacttttt 240

attagaagga ggaacttatc ggaaatggtg gaacgatcaa agaatgtgga tggtgagagg 300

actctcttct ttcttctttg gttttacaga gttcactctc aaaaccctaa acctctccac 360

tcaaggatat aatgtcacga gtaaatccaa cgacgataat gaacaaatga agcggtatga 420

gcaaganatc ttcgaatttt ggggcctctt cgtcaatgtt ccttgcccat tactacggtc 480

gccatcatga atctgctaa 499

<210> 16409
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-D3

<400> 16409

acatcaaaga aaacgaaacc catttctcaa aatccaaaat tttcaaaaac tcaaaactca 60

tcatgggttt catttcttct tcatcaccag tagaagagtc tcattaccat acacanaaga 120

tcttcctttt ctccaactac atccttctcg gcgctgcttc aagttgtatc ttcctcacac 180

tctctctccg tctaatccct tccatctgcg gattcctcct catcctcctc cacgccacca 240

caatcgccgc cgcagtctca ggctgcgctg ctgcatcttg cggaagaaac cgttggtacg 300

ccgctcacat ggttgcaact gtgctcactg ctatattcca aggctctgtc tctgttctca 360

tcttcaccaa cacgtctaaa ttcctcggga gtcttaagtc gtatgtgcgt gaggaagatg 420

ctgctgtgat tttgaaactc cg 442

<210> 16410
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-D6

<400> 16410

gnnnnngnaa ctccnagcgc gacgtaccgg tcancnnttc ccgggnccnc ccacgcgtcc 60

gtaaagcttg agagggttaa tgtatactac aacgaggcga gttgtggaag gtacgttcct 120

cgcgctgttc tcatggattt ggagcctgga accatggaca gtgtcagatc tggtccgtac 180

ggtcagatct ttcgaccgga taacttcgtc ttcggtcagt ccggtgctgg gaataactgg 240

gctaaaggtc actacactga aggtgctgag cttattgatt cggtccttga tgttgttcgc 300

aaagaggctg agaactgtga ctgccttcaa ggatttcagg tgtgccattc cttgggagga 360

ggaactggtt ctggaatggg aactttgttg atatctaaga tcagggagga gtacccagac 420

cgtatgatga tgacttccct gtgttccatc gcctaaggtg tctgacactg ttgtggagcc 480

ttacaacgca acactatctg 500

<210> 16411
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-D8

<400> 16411

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tctcctcact atttctaaag cacttaaccg ccactttacc ggcgccagac acctccatcc 120

tttattgctc gctcgctgtt ctccctccgt gcgacgtctt ggtgggtttc atggcagtcg 180

atttacttcg tcgaattcag ctttgagaag cttgggagct gctgttttgc cggtaatccg 240

acaccgttta gagtgtttgt cgagctcatc gccgtctttc aggagtatct caagtggcgg 300

cggttctgga tttggggggt ataatggtgg aaacggcggt ggtggtggcn gaagatcgga 360

gantggtgat tccaagtcaa aactgggtgc caatgcaagt gatngtgtcn ctgttncgtc 420

ntcaaanaac a 431

<210> 16412
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-D9

<400> 16412

gggttcgaag ccatcttttt cctaaatccc caatttttt tttttccctc gtttccgaat 60

cttttaccgg cgagactctg ccatggattc aggcgaacaa aagtctaagc ggaggttcca 120

accaaatcct ccgaggcctt ctcgccgtct tccgatcgct ccaacctcaa acaccgaagc 180

tgaggaggat gaagagaata taaaagcatc tcgccaattt gacagacgta tcgtcggcag 240

gagacccaaa accgaaacga aagcttcttc tcctgaagtt gcattccaac caagcttgtc 300

accacttgca ataaggtcct ttggtgttcc taaagaagat gacaagccca attctgatgt 360

taatccgtct tctcctgcta ntantcntcc tgctgtttcg tctgttactg ctgcccaaaa 420

aaatgga 427

<210> 16413
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-B2

<400> 16413

ggnnngaant gtcntcctgc ancaccggtc cgnnaatccc gggtcgcccc acgcgtccgc 60

cnaaacctnc gggngnancc nnacccctng caananggna tnaggagaaa cgaataagaa 120

agtgatcaag aatgtgatta agctcttaac gatggtgatt ttgatgggca ctgtggtgat 180

ttggatcatg atgccaacgt ctacttacaa gaagatttgg ttgaaatcca tgcgtgccaa 240

gctcggcaaa tcgatttatt ttgggaaacc aggagtaaac cttttggttt acatgttccc 300

aatgattcta ctggcttctc ttggatctat ttaccttcac ttgaagaaac aaacgagagt 360

aaaccaattt aatagtagaa tggataggaa gaagatagac aaagtttggt gcattgaaaa 420

gaccaatgtt agtgaangcc ggattaagga taatgacagt gaccgangtt angttcctga 480

tgangttcat ggctcctcct cctt 504

<210> 16414
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-H7

<400> 16414

aantgnccgc ctgncctaca agtccgatta tcccgggtng acccacgcnt ccgagaaaac 60

gtaatccaag ccaatggagg agacgacatg gggacagaga atacaagcgg tgacacatat 120

cctcacaaac ccaacaacga aaccatcact ttactctcaa ttcttcatcg gagccataat 180

tccaaactac gtatcgtggg attaccctcc ggtctattcg ccgacgcatc tccgtcaatg 240

gtgggtttct cagttcttca aaagggtatc gagatttggg ctgcctgata catcgtggag 300

gtcgaatagc ccgtattatc agccaccggc ggcggttatg gctgtcggag ttgaggaaag 360

gaaatggggg aaagaggaga ngagagagta tgcgangaag atgctgaaga ggaaganatt 420

ggtgaatgna gtgaatccat anattcctcn ttttagttcc gaantttgcn tttgtntact 480

cncttgttan tgggatccnc ntcctgat 508

<210> 16415
<211> 148
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-H8

<400> 16415

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cgtcgattcg atagcgggta acgtagaaac cctaatttca angggtcctt gngtatcgca 120

cctcaaangc cgtctcggtc cngtacaa 148

<210> 16416
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-H9

<400> 16416

aaaaaaaaaa aacgagatgg aggaattcca atctcctaga atacgatctt acaaatcgta 60

tgaaggagat aggaacctcc aactggttaa tcctgcagat ttaaaactgg tcagagggat 120

atatgttgtt agagaatcga ggcgcaatcg atctccgata aaancagata tatggcgcaa 180

gatgtcttac aaagacatgc ccgttagacc gagaagatct tcttctcatt cgacattgtt 240

caaaggatgg tggaacgatc cggagataaa gagaaagaga cgagtggcga aatacaaact 300

ctattcagcc gaagggaaga tgaagataac tttgagaaag agttacaaat ggattaagat 360

ccaatgctcg aagatcattc atggaatata ggtctctcta tctctactct gtttatctgt 420

ttagaaattt gttttga 437

<210> 16417
<211> 52
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-A1

<400> 16417

cgttactcct caaaangtgg tggtggccga aactaccgtg gtggaanacc ct 52

<210> 16418
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-A10

<400> 16418

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gtccgaaaaa acacccatgg ctctgttttc tagcgtctca gtttccgcgt ttctcttgat 120

cgttgtatcg gttcaatgga ctctggtttg cagtgaatcc acaatcttag cttctcctgc 180

tgttttaccg tatatcaatg caccagatat gtcttcattt ttcccttctc cgaccaaaga 240

ctggccaata gagacagcga catctcctgt tccagaacca gaagcgcctg gtccaagctc 300

aggccagctt aatgggaaga tttcaggcag atcaatgcgg ctccatcctg atatttcctt 360

ggttctagcc attgttggga tctgtacctt tctatgtttt aatgaaccaa tacttgttag 420

gtttctacac tattgatgtt gtaatctttt gtggttcgct tttaanagcc tcattggtcc 480

ttcctggagt cgttttactc ct 502

<210> 16419
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-A11

<400> 16419

ggnnnnnngg ggngantgtc tnngnggccn tttttnngta anacggtccg acantccggg 60

nccccacgc gtccgcanta gcagagagaa agtggaggga gcggtgaggg aagtgatggt 120

tggagaagag aggaggaaac gggccaagga gttagcagaa atggcgaaaa atgcggtgaa 180

agaaggagga tcttcagatc tagaggtaga taggttgatg gaagagctta cgttagttaa 240

actgcaaaaa gagaaggtat aaagaagttg aatgtattgc aagttatgga acaataatgt 300

ttttgtaatt ctgatggttt gagttacaac agtaaaagat tgtatttgtt cattcaaatt 360

tacaatggat gatcttttag tttgtaaaan aaanaaaaaa agggcgg 407

<210> 16420
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-A2

<400> 16420

gnnnnngaaa gtccnctgnt ncacggtccg atgnacncgg gtggccccac gcgtncgtta 60

aanttaaatt tngcaagtga ttgagaaata cactaagagt actaggtttg cgctcattgg 120

aaaccatgtc aataagatca tcccagcttt gcagtcgaga tgtactcgat ttagatttgc 180

ccctcttgat ggagttcata tgagtcaacg tcttaaacat gtaatagaag ctgaaaggct 240

tgttgtaagt gactgtggtt tggcagctct tgtacggctg agcaatgggg acatgagaaa 300

agcattgaac attttgcagg ttctgtaata tttccttttg gttctgtcac ataatctaca 360

attgtaaatc taaaaaagat aatacatttc aatcactatg aatggatctg taaaaatttc 420

taacggattt attgggtgtg gacagtcaac gcatatggcg tcaaaggaaa ttacagagga 480

agagtcaaag caaattacaa gangg 505

<210> 16421
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-A3

<400> 16421

nnnnnnnngn aangtttnng cccncgtacg gtanaccntt cgcgggccgc acgcgtccgc 60

naanangtat ccgccggaaa aaaataacgt ctttttttt tttcttccaa tctctctgtc 120

tctctcccca attcccagat tctcattttt gcagagattt taggaggaac atgattgttt 180

gaattgggag agacattggt tcgtgtaaaa tgcgggtgct tggtttgagc tcaagcttat 240

gctctggtga ggataaggaa gaagaagaga ttaatggaga aggctctctc acgcctgttt 300

atctcaacgt ctatgatcta actcctgtca acaattatct ctattggttc ggccttggca 360

tatttcactc tggcattgag gctcatggtt tcgaatatgg atatggagct catgagtatt 420

cgancagtgg ggtaattgag gntnaaccta ngagctgtcc aagtttcanc cttangcgct 480

caattttgtt gggaaacaac aa 502

<210> 16422
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-A4

<400> 16422

tcatctcgtg gagaaccacc aaagaaacct ttggtgccat ctggtcccaa aactctgtca 60

aacgagacga agactgttgt ccaagttaga acattccaag atttgcttaa ggatgagtat 120

gatgctgatt tatttgacta ctacgcttca tcacaactag tattggcttc tttggatggt 180

actgtgaagg aagtaggggt tcctgcagtg tatacatcgt tagacccttc gacagaccat 240

aagtacttgt tggtgtcatc acttcacagg ccatattcct tcattgtacc ttgtggtaag 300

atttccaaag aangtggaaa tctggacaac tgatggtaaa tttgttagac aactatgtga 360

cttgccctgg gtgaagatat ccccaatgcc tccaataatg tgcggnaang gatgcgttca 420

ataaact 427

<210> 16423
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-A5

<400> 16423

ttnngnncac gtagcggtcg gncgattccc gggcgncccc acgcgtccna catagtccgc 60

cacactcgat aatgatccat caagctttag ctctccctcg tcctattctc accagaggat 120

ttgtgtctaa tggtggcggt atgtttgtcc atcaatgtcg aacaaaaacc cctagggtta 180

cattttgcgc tgctgatgat cagatagcca gttccaagtc gaacaagaca aggaaagtag 240

tggagcatgt gtgtttactc aaagcaaaag agggtttatc tgaggaagta gaaaaagata 300

tgcttgacta tctttacaca actcaatacc aaatgagagg cattgttgct atatctgttg 360

gttgtatcgg tgatagaaac aatgaatatt tcacgcacgc tctctacatg cgattccaaa 420

agaaggaaga ccttgacaag ttctatgaga acccttttctt cttgaaagtt ctcaatgaat 480

atgttacacc a 491

<210> 16424
<211> 506
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-A6

<400> 16424

gnnnnnggaa actnnnncgg nggnctaccg gtcaagcntt cccggggccc cccacgcgtc 60

cggaaaaccg ccgtgagttg agcatgggat ggaactcaat actcgtgcca tctgcagaga 120

gacgtataac agaagcggtt gcagacgcac ggtgttacca agttttacga gcgaacgagg 180

tcgagtttga gattgtgtcg acagagagaa ccaacattgt ggatatacgg acacgggatt 240

gctcatgccg tcgttggcag atttacggat tgccgtgtgc tcacgcggct gcagcactga 300

tctcgtgtgg tcggaatgtg catctgtttg cagaaccgtg tttcacagtg tccagctatc 360

agcagacgta ttcgcagatg attggagaga ttcctgatag aagcttgtgg aaggatgaag 420

gagaagaggc tggaggagga gttgagagct tgaggatacg aacaccaaaa aacgaaggag 480

acaacaagtt agaccgaaga agaaat 506

<210> 16425
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-A7

<400> 16425

gntnnngagn aatntcntag cnntcgtanc ggtaanccgt tcccggggcc ncccacgcgt 60

ccgcnaaacg cgtgggaaaa aaaatatgta ttgtagagag tccttgtcga gtctccagac 120

tttgaacgta gcaaagagtc tcagctcttt gttccctaaa caatcagctc tcatcaaccc 180

gatctccgct ggacgtcgaa acaacctgcc tcgtccaaac ctcagaagac gatgtaaggt 240

caccgcttca cgggctaata ttgaacaaga aggtaacaca gtgaaagaac ccattcagaa 300

tattaaagta aagggataca taacggccca agaagagttt ctggagggca taacttggtc 360

gagaggtctc gatgacattg ctgatatccg cggcagatna ttgctcgtcg agcttattag 420

cgccaagact gaccagcgga ttacggtaga agactacgca caacgtgtat gggccgaagc 480

ccctgatgag aagtacgaat gcgagtt 507

<210> 16426
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-A8

<400> 16426

ctacaacctt gggctctcgc gaacaattgg ccatcgctga atttgctgat gcgctattga 60

ttataccaaa ggtgcttgca gtaaacgctg ctaaggatgc aaccgaattg gtagctaaac 120

taagagcgta ccaccacact gcacaaacca aggctgataa gaagcactat tcaagcatgg 180

gacttgacct cgtaaacgga accatccgca acaatttgga agctggagtg atcgaaccag 240

ctatgagcaa agtgaaaatt atccagtttg caacagaggc agccataacg attctacgaa 300

ttgacgacat gatcaaactg gtgaaggatg agagccaagg cgaagaataa gcaaagctca 360

gctcctcttt atccgcctta tcatccttag tgtgtgtttt tgtccgcatt ttcagctcct 420

ccttaacntc ctttttgcg 439

<210> 16427
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-B1

<400> 16427

gnnnnngngn aatttcntcg cnnacgtacc ggtaancnct ngggtnnncc cacgcgtccg 60

gnatangtag aatctccggt gaagccgaat tcaaacccta acacttttgg ttcatcagtt 120

cttcttgacg attcagtgtt gttgcgcgtc ttatttctac attttgcttt ctcgatttga 180

gaatgtgctg attttagatt agagaagtaa gggttttata gatcgggaat aaatggagga 240

aggtggatat gcgtttgagg ttaacaatgg aagaccaacg gcgagtgagt ttggtacgac 300

ggcgaggatt tcgtcaccgt cattgactat gtcatcgtct ttccgtgaag gaagaagaag 360

aggtggaagt aagggtttaa cacgacggag gtcaatgaan ccgantttg acgccgataa 420

tgagttcant actttactcc aaggctcaaa ttcggttaaa gttgaaccta ataagcntga 480

gaacgaagtc agagatnaag at 502

<210> 16428
<211> 276
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-023-Q1-E1-B11

<400> 16428

tgacgcnatt gacacannag catcggaaag gtgagccgnc aantatggtc acngcctacg 60

attacccttc tgccgttcac atcgatacag ctggnntcna tgtttgtctc gtcgganatt 120

cagctgccat ggttgtccat ggctatgaca ccactcttcc tatctcctta gaggagatgc 180

ttgttcactg tcgcnccgtt gctcgcggag ccaagagacg agtcttgtcg gcgatttgcc 240

gtttggtact tatgaatcta ncaacgaatc atgngg 276

<210> 16429
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-H5

<400> 16429

nngaagtgct aatcctacaa tcaatagtca agggaacaga tttttggcac ccaatatcag 60

atttagcaaa gaagtgacta agcatgagga cgcgcctgag agcgagtgga agagatggaa 120

ttggagatct tccggagatt tgttgctaaa cggtgcgttt tttactccgt ctggtggtgc 180

agcctcgtct agctatgcaa aggcttcgag ccttggggct aaaccgtctt ctctagttgg 240

accattgacg tctacttctg gtgcactgaa ttgccgtaaa ggttcccgtt gctgattgtg 300

gcttagtggt cacacttaag tttttacccc attattatat aggaaaaggc aattanagcc 360

accaattaag ggggattaag tagtgtagta agactttctt aaaacccttga ttactccttt 420

ttttttggtt gtttanncgg gtaaaa 446

<210> 16430
<211> 440
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-021-Q1-E1-F1

<400> 16430

ctctctctct ctctctctct ctctctctct ctctctctct ctctctctct ctctcgtgca 60

tctccataaa ctatcttcaa agattaaatt ttgaagatct tcttttggn ttattacccg 120

attctgtcac tgtctcttct tcttctccaa tcccaatgtt tgcttgagag aaagagagag 180

agtcaaacca aaacatgggc gtttgttgcc ctttccttca accctgggat cgagctcgtg 240

atcaatgtct cctcaacctc ccttgtctct ccgatcctgt tcgaagatct tctctacttc 300

tgaaattggc actagtagct ctccacctcg tctttatcgg ctttctcttc cttttcgatg 360

ctgaatttat tgagaaaact aaacgagatc aatggnataa ggggtgttaa natcntacgg 420

tttcngnnaa gcttcggaag 440

<210> 16431
<211> 520
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-021-Q1-E1-F5

<400> 16431

nnnnnngnnn ntttnggnag cctctacgcc tgnccntacc ggtccganaa ttcccgggnc 60

cacccacgcg tccgcanatt ctctctctct gttttccttg ttctccaagc cagatctctc 120

tccataaatc tctcttcatc tctctctttc caccaaacat ccgcgatcct cgattctcaa 180

ttccgtgtct gttttttttc ttcacttagc gatggcgatg atagagcaaa ggccgaagac 240

gaagatcgtt tgtactctag gtccagcttc cagatctgtt ccgatggtcg agaagcttct 300

tagggctggt atgaacgttg ctcgtttcaa tttctctcat ggatctcatg aataccatca 360

agagactctc gataatcttc atcaagctat gcttaacact gggattctct gtgccgtcat 420

gctcgacaca agggtccaag aaatccgaac cgggttcttg aaagatggga aacaatccag 480

ctgaaacaag gacaagagat nactatttcg actgactatg 520

<210> 16432

<211> 85
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-021-Q1-E1-F6

<400> 16432

ntgtgtgtat agacatacaa agtggaaatt aaggtaacaa aaagaaatgg gaagangatn 60

agtagagctg agtgaggata tgana 85

<210> 16433
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-021-Q1-E1-G1

<400> 16433

tccttctcac ttccatggcg attctcgtcg tctgaattag gttgtggaat cgaagtattg 60

agaggggaga ttattgaaat taggggtttt gaatagtgat ggatggtaat aaggatgatg 120

cgtctcggtg tttgagaatc gccgaagacg ccattgtttc tggtgataaa gaacgagcgt 180

tgaaattcat caatatggcg aaacggctta atccaagtct ctctgttgat gaacttgttg 240

ctgcttgtga caatctggat tcagtttcga ggaattcttc tgttagcgag aagcttaaaa 300

ctatggacgg tgatgatgat aagcttgaga ctgggaaaat gaagtatact gaggaaaatg 360

tggatttggt taggaatatt ataagaaaca atgattanta tgcgattttg gggtttggna 420

aaagaattgt tcngttgatg agaatanaaa ac 452

<210> 16434
<211> 509
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-021-Q1-E1-G11

<400> 16434

gnnngaactg tttccctgnc ctatttgtcc gncnntcccg ggtcgaaaca cgcgtcngcg 60

nctcttgatt cacncgaacg agaaagcgac gatcgtaacc accggcgctg accaaaaagt 120

aatcgattct cttcccgagc tgatctctca ggtgtcttga atctgaatct gtggctatat 180

ttggtgctcg gtggtgagca ggaagggagg gggatattgt cagggtttta atgtacgtca 240

gatgaataga gcaactaatg ttactggcag tagaaggagg gggtttattc tcagcgtccg 300

cgtctgggta tagtaaggga ttgacccttc ttttctctgg tgataaagac gtagataggc 360

ccatgagagt tgtcccgtgg aatcactacc aggtggttga ccaagagcct gaggctgacc 420

ctgttcttca gctggattct attaagaacc gagtttcccg cggttgcgct gcttccttca 480

gttgttttgg tngcgctccg cnggaactt 509

<210> 16435
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-021-Q1-E1-G4

<400> 16435

ctcgccatcg acgacgacga caacaaaatn nacatacctt cccaancgtt ctcaaaccat 60

cacctncttc ctaactacag gtgtattgat gttctttgca gagatgtctc cagcaacagg 120

ggtcaaagtc taaggataaa aaanctggta aagaagctca aaaggcatca ccaaagcctt 180

cactttcggt taatgggaat agcagcttgg cagctagtgg ttataatcct cttttaggan 240

catttcaagc tcttgattca gtgtcgatag cttctatctc accattacag tatantccgt 300

ttccnggngt atanattang gcagatgtaa atggggattg gantcctgat tccantttcg 360

aaataaatgg gtacctggtt ccnggtgaag tccagaangt ttcccaaggg gggaaaanca 420

ancttaatct tgnccccctt aaagccaggg agggtggntt cccaagggtg cc 472

<210> 16436
<211> 522
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-021-Q1-E1-G7

<400> 16436

nnngngntgt ttcngnagcc ctntcgcctg nccantaccg gtccganant tcccgggncc 60

acccacgcgt ccgaaagtta cttatcgatg gatgcattca tgtatatgag caaattttat 120

ttgagttctt attggtaaat ctgcagaatg gtgaaatgac aaaatgaatc tgccaattac 180

acaacgtaac tagctagcta gtaggaatcg ttaattgtga acttgtaatt tttgttcata 240

atcagttaat cgctatgcan aaattgtata attagtgaca aaaaattaaa tttcaccaca 300

tcttatgttc ataacatggt tcaaatctaa ttgcatgttt atgtgtgtgt gacttgtaac 360

cacatatttt gttcanaatc aatcgtttct tatcttgata tanattgttg ggattcgtaa 420

gtcaagattc taaggagaag aatcctattg gttcaagaac gttggatnaa gttgttgccg 480

ttgatcangt aacgcattta gtctccantc aacgatctan cg 522

<210> 16437
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-021-Q1-E1-H1

<400> 16437

atacganaac ttctttatgg ggtctgtgca tttcaaggat gtggctttag ctcatattct 60

tgtatacgag gatccatatt cgaaaggaag gcacttgtgc gttgaggcta tctctcacta 120

cggtgatttt gtagccaaag ttgctgagct ctatcccaat tacaatgtcc ccaagttacc 180

gagagagact caaccgggtt tacttcgaga taagaatgca tcaaagaagc tcatanattt 240

ggggttaaag ttcatttcca tggaggaaat catcaaggaa ggtgtggaga gtcttaaaag 300

caaaggattt atctcttaat acctacctct gtaactctgt ttgattgagc aattaacaca 360

atctctangc agcagaaaca tttcatatga tatacgattt tgcacttttg tataaataan 420

ctggcctatg gtatggtatg aacatccaa 449

<210> 16438
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-021-Q1-E1-H12

<400> 16438

tcccngncct gtttcgcctg nnngtcccgg ggtcacaaca cgcgtcngnc actttctccg 60

taagaaaggg gaagcaaata aattatcgaa gcccactggt ttcggagctg atcggtctct 120

atttctctct tcatacatat ctcaagcaga taaagttgat cggatactag aatgggagga 180

ggatttagag ttttgcattt ggtgaggcca ttcttggctt ttctgcctga ggttcagagt 240

gctgatagga aggttccatt cagagagaag gttatctaca ctgtcatctc tctcttcatc 300

tttcttgtct gcagtcagct tcctctttat ggaatccatt ccaccaccgg tgcggatcca 360

ttctattgga tgcgtgtcat tcttgcgtcc aaccgtggaa ctgtcatgga gctcggtatt 420

actcctattg ttacatctgg acttgtcatg ccactctttg gccgggttcc aagatnantg 480

anggttgaca nnaatgtncn cngng 505

<210> 16439
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-021-Q1-E1-H3

<400> 16439

atcgtgtttt gatctgattc ttccaggatt ctcccggtgg cggagagaag aaacaaagga 60

aacccagaaa gcatttttct caatggcgtc gactacacga gaaaagtttg tatctttcat 120

aaacaacaga tggctcgtct tcgtggctgc catgtggata cagtcttgtg ctggcatcgg 180

ttatttgttc ggaagcattt ctccggttat caaaagctcc ttaaactata atcagaanga 240

gctttccaga cttggagtcg ccaaaggatt tcggtgatag tgtcggattc aaccgccggt 300

actctcccct gaagattctt gcctcctttg gggccgctcc ttcctggttt ggcgccgntt 360

caaaaacctc aatccggtta acggatgggt ttgggcttaa ncgtcaccgg tcnancccng 420

attcttcccc caaagggcaa aagtggnttc ccaaaa 456

<210> 16440
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-021-Q1-E1-H4

<400> 16440

tccgtgccct ttacgcgtgn ccaaaatcgc gggaanccca cgcgnccgcc nacgcgtccg 60

cacattacca aggctacaac aaagaaggaa gatattatta caaaactgtt tgagtttttg 120

gagaaacctc atgtgacagg tgatgtgacc ggtgacacta cagtttctga gaaagagaag 180

tcaagtaagg gagcaaaacg caagagaact cccaagaaaa cttcacctac agctgggagt 240

tcatcctcca aacgatcagc aaagagccaa aaaaagtctg aagaagcaac aaaagttgtc 300

aaaaagagtt tagctcattc tgatgatgaa tctgaagaag agaaagaaga agaagaaaaa 360

caagaggagg agaaggcaga agagaaagaa gagaaaaaag aggaggagaa tgaaaatggc 420

attcctgata aatctganga tgangcgccc tcaaccttcc tgaaagccaa ggagaaaagt 480

gaatctgaag agcattctga agaagaaaac tcca 514

<210> 16441
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-021-Q1-E1-H7

<400> 16441

ctcttttaga aacttcagaa ttggaggaag aagatgcgag atcaggttca tcgtctccag 60

attctgctgg atcagtggaa agctcaatat cctctcactt tggtggaatg aactacccat 120

cattgttcag ttcaaagcct tcctcacaag caacggcaaa atcaggtgga agtaaatacc 180

agtccacata tgaaggctat ggttccccaa ttagagaaga gcctcctccg ccttattcgt 240

attctgagcc acaaagtcgt gaatcgtttg agaaccctgt agcagggtct ggttctcgaa 300

gttatgaatc agatgatgaa gaacctagga aatctactgg tacaagattt ggaacagcgc 360

tctatgactt cacagcagga ggagatgatg agctaaactt gacggcagaa gaagaattgg 420

agatagagta tgaagttgat gg 442

<210> 16442
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-021-Q1-E1-H9

<400> 16442

agaagactaa gtgtacaaga atttgtaaag gtatatgata cagttttgca agatagatgt 60

gaagaagaag ccaaagctga ttctgaaatg tggaacaagc agccagcaat gaagtctcca 120

tcgccatttg agaagagtgt ttctgaagtc tatactcctg cagttttcaa aaagttccag 180

attgaagttt tgggtgcgat tgcgtgtagt cctagggagg agaaccgaga tgccacatgt 240

tctactttta gagtgcagga ttttgaaaac aaccaagact tcatggtaac atggaaccaa 300

acaaaggctg aagtctcttg catctgtcgg ttatttgagt ataaagggta tctctgcaga 360

cacactctta atgttcttca gtgttgtcat ctttcttcca tcccctcgca gtacatattg 420

aagcngtgga caaaagatcc aaaagccg 448

<210> 16443
<211> 53
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-022-Q1-E1-A1

<400> 16443

nttacgcntc gactttacca gggcgttgaa tcaaaagttt tctctcagtc aca 53

<210> 16444
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-021-Q1-E1-E8

<400> 16444

nnnnngnnnt tnngnagcct tccctgnccn taccggtcca nanttcccgg gnccacccac 60

gcgtccggaa ggtgtgaacc tcttagctgt catgtgtcac gaagatgtgg atccaaagag 120

gacaacaagc aatcacttga ttgaaattat tgaagttctc ggaattgagg cagttcgtcg 180

tgctttgctt gatgaactcc gtgttgtgat atcctttgat ggttcttatg tgaattaccg 240

tcatcttgcc atcttgtgtg atactatgac ctatcgcggt catctgatgg ctatcactcg 300

acacggtatc aatagaaatg acactgggcc tctgatgaga tgctcttttg aagaaacagt 360

tgatattctg ctagatgctg cggcttatgc tgagacagac tgcttacggg gtgttactga 420

gaatataatg ttgggtcaac ttgcaccaat tgggacagga gattgtgaat tgtactgaat 480

gatganatgc tgaaagaatg caattgaacn tcng 514

<210> 16445
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-021-Q1-E1-C4

<400> 16445

nnnganngtc tncctgncct tacggtgcnt attcccggga accccacgcg tccgaaaaga 60

ttgagtgagt gagagagaga gagagagaga agatgggggt tgatttctat aaggttcttg 120

aagttgatcg aagtgctaat gacgacgagc ttaagaaagc ttatcgcana ctcgccatga 180

aatggcatcc tgataagaac cctaacaaca aaaaagaagc cgaagctaaa ttcaagcaga 240

tctctgaagc ttacgatgtt ttgagtgatc ctcagaaacg agcaatctac gagcaatacg 300

gagaagaagg tttaaaccaa gccccacctc ccggcgccgg tggtggctat cctggaggat 360

cagacgccgg agcttctttc cggttcaatc ccagaagcgc tgatgatatc ttctccgagt 420

tctttggttt cacgaggcct tcttttggta cgggaagcga ctcacgcgca agacttctgg 480

ctttaagtat gggcatnnaa cctcccctcc 510

<210> 16446
<211> 520
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-021-Q1-E1-C7

<400> 16446

nnnnngnnnt tnngnaggcn tctngcctgn ncntaccggt ccgananttc ccgggnccac 60

ccacgcgtcc gcntgtttcc gacttttaga aggaaggaca acattcgaag aacaaccaca 120

gtttctacgt ttagcaactc attatttta ggcgccatca agaatgggaa agactcctgg 180

taaatggatc aagactttgc ttctcgggaa gaagtcgcct aagtcgaatt cggataaccg 240

aagccagaaa ctgaaatctg ctaagaaaga agagctggtg gaatcggtga cagaagattt 300

gtcaaactta acagttgatc ctccggtggt ttcatcacaa ccagttccag cttctactgc 360

tcaaaatgtg gtttctccaa tcaatggtga tgagtccaag gataatctcg agtcaaggaa 420

tgacttggga gaagtcgagc ttgaacaagc tgcaattaag gttcaagcta ccttcagagc 480

tcatcangca cgtnnagcat ttcgaactcc taaagggtnc 520

<210> 16447
<211> 516
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-021-Q1-E1-C8

<400> 16447

nnnnngnnnt tnngcagcct cnngccgntc ataccggtcc acactcccgg gnccncccac 60

gcgtccgtat gaattactat ttgcagtgga agtctcttcc gtctactaca gaagagcacg 120

tcaaaactgg attggaggcg gcgtatccat atggccttgg acattgctcg cggtatgaat 180

tatcttcacc attgtagtcc acccattatc catcgtgatc tgaagtcatc aaatctgctg 240

gtagacaaga actggaccgt taaggtagct gactttggtc tctcgcgtat caagcatgaa 300

acatacctaa ccagcaagtc tgggaaggga acgcctcaat ggatggcacc agaagttctt 360

cgaaatgagt ctgctgatga gaaatctgac atttacagct ttgggagtag tattatggga 420

gcttgccacc gagaagatcc atgggaaact ctcaactcta tgcaggtgat tggagctgtg 480

gggttcatgg accanangct gggaaatccc aaaang 516

<210> 16448
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-021-Q1-E1-C9

<400> 16448

ggnngatctt cttcctgnct ntgtctgtcn ggtngactcn cgggtgccca cacgcgtcgg 60

ccaaaaatgt gagtggggga agatggagag tggtatggga acaacaacaa ttgatgctat 120

gacaaacaac aacagcaaga aatttgtgtg agagtagaga gtcttgcttc agttgangca 180

aagattggtc ctttttttt cgttttctct ttcctgcttt ttttgtttgt agtttctgat 240

ctctcaggaa ggctttttat aaatttgccc tcaatttctc cgtccctact actcttttg 300

atcaatttct acgggaaaaa gcaccaatct ttaaacccgg gcatgtcctt gtaatcgagt 360

atgttgtgta ngtgatgaat ttgtggtgag atctggtgag aagtttcctc ttttttcctc 420

anattgcggt aaacaaaaan agtttttant aaggaagaaa ttgagattta gattttntcg 480

cttttgtttg ggtganatgg gtaacntnaa cgcg 514

<210> 16449
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-021-Q1-E1-D1

<400> 16449

nngaacgttc cctgccttcg gtgccaaatc ccgggnancc cacgcgtccg atnagtcctg 60

aggcagatgc agttggggaa acaataagca ctttgaagtt tgcagagaga gtagctacgg 120

ttgagcttgg ggctgcacga gtgaacaatg atacttcaga tgttaaggaa ctcaaagaac 180

agattgctac tcttaaagca gcactcgcga gaaaagaagc agagtcacag cagaacaaca 240

tcttgaaaac tcctggtggc tctgagaaac acaaagccaa aactggtgaa gtagagattc 300

ataacaataa catcatgaca aagaaatctg agagttgtga agtggaggag attacagtga 360

actcaccacc ttggccacca gtagcaagtc caaggacaag cctacagaga ggatgaccga 420

agtttcgggt ccagcgagtg ggttgacaag gtgatggtga ataacagaca agacgagatg 480

agaaanattg ganatctttg gggaaggagc c 511

<210> 16450
<211> 509
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-021-Q1-E1-D12

<400> 16450

nngancgtct ncctgngcct tttggtccgc cnttcccggg ncaaacacgc gtcggnnaac 60

ctctcgctaa ntgtgcgtta gccgttaggg ttccgatcta atcatggcgg actctgtttt 120

gaaggaggtt aactgtggcc ggcctgaaaa gatcccgaag ttggacaaag cttgcgaagg 180

atcgaaatcg tcctggaaac atctcaagct aggaaacgtg gaagatgatg agtatcttcg 240

acagtattgt ttgtttcact acgaattcca taaatccgag ggtttcacgg ttgattggga 300

gaaatatgac tacatgttcc atataaggcc gttggaaaat tcaccaccta tcagcgatat 360

acgaaccaat gctgatgtga tccgtgatgt gacactcttt gccattgaga aacacaatga 420

agctcatgga tctaaacttg tgtttgtcga gcatgtctca gctaatttca aattttgcca 480

atggtctcct ccgccnggtt aacantctg 509

<210> 16451
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-021-Q1-E1-D2

<400> 16451

gagaaatggc gacggcatcg gaaaattcaa gaggaatcag cggcggtgat cgaacggcga 60

aagctgtcgt cgccgatcag atttcacaag ccgtaaattc cactgctaac cttcttcatc 120

tgatgcgtca atcgtcttct tctcaggctc agttggcaaa gctcccgaag aatctgttgg 180

cgaaagcttc actgactaag gccactggac aggcgttggc gcagcttcct caagtgattt 240

catctctaga tgctcatata gaaagcggat tgcacagcgg tgttcatcta aacacagtaa 300

cccagttact tgaaaacatg gaaagcacac agcttcgtgc tcttcgacaa tctaatattt 360

cccctgtggt gtaaactccg atctcttaat agcaattana tgtttccttc ctcngttaca 420

attttcnacc agcaaattgg gat 443

<210> 16452
<211> 515
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-021-Q1-E1-D6

<400> 16452

nnnttnngca gcctctcgcc tggccntacc ggtccganan ttcccgggnc cncccacgcg 60

tccggcatgt gtcacaacac agacggactt tacagcgcaa aacaaaccgc tattgttaga 120

gcttccgatg atttctaccc aagagatcct gcttctcaca ccatccacat tgcatcggtt 180

gcatacaaca gccttttcct tggagagttc atgcaacctg actgggatat gttccatagt 240

ctacacccaa ctgcagagta ccatgctgca gcgcgtgcag tgggtggatg cgcaatctat 300

gtcagtgata agccaggcaa ccacaacttt gatctattga ggaagctggt tcttcctgat 360

ggttcagttc ttcgggctaa gctcccgggt angcctaccc gtgactgctt antcgctgat 420

tcagctagag atggaatcan cttgctcaag atntggaacn tgaataantt taccgggtaa 480

tgttggtgta atcaaatngc caagnngcng gttng 515

<210> 16453
<211> 516
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-021-Q1-E1-D7

<400> 16453

nnnnngnnnt ttnggnggcc tctngcctgn ncntaccggt ccgacantcc cgggnccncc 60

cacgcgtccg caatagtgtt gttcttcccg agaaactgaa tactggcagt tggaacgtct 120

acagatctgc aaaatctccg ttcaagctcg ttagcagatt cccagatcat cctgacatcg 180

ctactctcca tgacaatttt gagcatgctg ttcatgattt tcgagattac aagtatttag 240

gaactcgtgt tcgtgtcgac ggaactgttg gagactacaa atggatgaca tatggagaag 300

ctggtacagc aagaactgct ttaggttctg gtttggttca tcacggaatc cccatgggat 360

cttctgttgg aatttacttc atcaatcgcc cagagtggct cattgttgat catgcttgtt 420

cttcttattc ttatgtgtct gttcctttgt atgatactct tggtcctgat gctgtgaaat 480

ttantgtcaa tcatgcaact gtgcaagcca tatttt 516

<210> 16454
<211> 113

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-021-Q1-E1-D8

<400> 16454

tgatttcact gngtggaaaa tgtatgctat tggtggtagt ggtaatccca ccattaacag 60

tcangganat cgttactctg ctccttctga tcctagcgcc aaagaggtgn cga 113

<210> 16455
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-021-Q1-E1-E10

<400> 16455

gntnttgaaa ctcctgctcc atctgttgca attcaagcac cactatcgac cacatctcag 60

cctgctccac agccaacaac ttcatctaat gataactggg catctttcga tgctgcaccc 120

agtgccccta gtttaaatgt atcgcaacca ccacccagtg gaaacacact ggattcactt 180

ctctcccagt tggcagtgac ttcttctgtg ccaggtcagg cgtctacacc atctaacgga 240

cctgtgaatc ttggtcattc cacgtcacaa atctttgcac cctttcagaa tgagcattcg 300

agtgaacagc catggaacac agcacttgca tctaatgtac agaggtcaat gagtgcaccg 360

tcattgcaac ctcttcaagg agtcccttct ggtggcctgc agtcttctga agttaaacct 420

tcgggaagat nagaattacc tgcnggtttt antcg 455

<210> 16456
<211> 512
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-021-Q1-E1-E3

<400> 16456

nnngcaatgt ctngcctgnc ctttacggtg ccnaatcccg ggnaccccca cgcgtccgaa 60

aaaattatgt caattccttg tctaaccgaa gagacagcca aaactgttct tcgccaggtg 120

gagttctatt tcagtgatag taatctaccc attgatgatt tcctcaagaa gactgttaca 180

gngagcgaag atggcttggt gagtttggcg ttgatttgct cctttagtaa gatgagagga 240

tatttgaagt tgggtgattc taaaggagat gatattcctg aagataccac caaagctgtt 300

gctgatactc ttcgaacctc ttctgctctc aagatttctg acgatgggaa aaaggttggt 360

aagagtactg aattgttgaa gctggaagat ttgattgagc aacttaatgc tagaacagta 420

gctgcgtcac ctttctccta tgatgttaaa anggaagacg tggaatcctt ttcagtcagt 480

atggaaaggt aatagtgtga ggatgccncn tc 512

<210> 16457
<211> 509
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-021-Q1-E1-E5

<400> 16457

ggnngnnntt cngcagcctc cnccggtcan accggtccan actcccgggg ccncccacgc 60

gtccggaaga tgcaaaacgt tgtttgtgtt gagagtatga tgcatcttac gtgtactaac 120

atgcctgttg agaagattga tcatgctctt gagactatta gatctaatgg gattcagaat 180

gtgcttgctc ttagaggtga tcctcctcat ggtcaagata agtttgttca ggttgaaggt 240

ggttttgatt gtgctttgga tcttgttaat cacattcgta gcaagtatgg tgattacttt 300

ggtatcactg tcgctggtta tcctgaggcg catcctgatg ttattggtga gaatggtctt 360

gcgtctaatg aagcttatca gagtgatctt gagtatctga agaaaaagat tgatgctgga 420

gctgatctga ttgttactca gcttttctat gatactgata tattcctcaa gtttgtgaat 480

gattgtcggc aaattgggat tagttgtcc 509

<210> 16458
<211> 516
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-021-Q1-E1-C2

<400> 16458

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nttttcggac atgtacaatg ggaccagatg ccggcagata tggtagtaaa ttcgattctt 120

gtatcaatgg ccgctcaagc cggtaaacaa gaagagatta tttaccatgt gggttcttca 180

cttagaaatc cgatgaaaaa ttcaaagttt cctgaattag cgtatcggta tttctcaatc 240

aaaccgtgga ccaacaaaga agggaaggtc gttaaggtcg gggccattga gatcctgagt 300

tctatgcgta gtttccatag atacatgacc atacgctact tgattgcatt gaaggtaaat 360

agtatctaat gatatattaa ctagtgtttt tataaggttc ctaaatatct aaatggttca 420

tttcaaggga cttgaattgg taaacataat actttgcaag ttgtttgaga angaatttca 480

attatttcan taagaaaatn aantttaaan tccngg 516

<210> 16459
<211> 518
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-021-Q1-E1-A8

<400> 16459

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ccacgcgtcc gcaaagagtt cggcgaagag tcgaagcggc tttgggagtt agcaggacca 120

gcgattttca ctgccataag tcaatactct cttggtgctc tcactcagac tttctccggc 180

cgtctcggtg aacttgagct cgccgccgtc tcagttgaaa actctgttat ctccggtctt 240

gccttcggtg tcatgttagg gatggggagt gcattggaga cgttgtgtgg acaagcatat 300

ggcgcgggac agattaggat gatgggaata tatatgcaac gttcatgggt cattctcttt 360

actactgctt tgtttttgct tcccgtctac atttgggctc ctcctattct ttccttcttc 420

ggcgaggctc ctcacatctc taaagccgcg gggaagttcg cattgtggat gatcccgcaa 480

ctatttgcct atgcaaccaa cttcccgata caagaaat 518

<210> 16460
<211> 515
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-021-Q1-E1-B1

<400> 16460

nnnngaactg ttaccctgcc ctnncgcgtg nccaattccc ggganancccc acgcgnccgc 60

nttcttcttc tnttgaagac cctttgtcat gagctaattt ttatcctctg tgtgttgaga 120

aagatctcat tttttagctt taggattgag ggagtttcga tttttactta gcacttttcc 180

ttggaagtga tttggtggaa ctcatggtga ttggtttctt cctagggtta ttagagattg 240

agttctggat ttttcacgcg ccttggattt gatctaatgt actctctttt ttcatgtctt 300

aatctggttt agatttttat tttgagatct tttgttatat aggttgcaag ttctgtattt 360

tgttaggctt tttagtttct gtgttgatta tgattctctt ggtctaggag agatttgggt 420

gttgttaact gtttgagttt gagaattgtg aaattaaggt ttttttttttt tgggtcnccg 480

atctgnaact tgggtanaag aaaaaacatg ggngg 515

<210> 16461
<211> 513
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-021-Q1-E1-B11

<400> 16461

gnngnaactg tctncctggg cnttttttgtc cgncattccc gggtngaaac acgcgtccgc 60

aaaaaacaaa gaaaccaaag tctctttagt ttcttcaacc accacaacac tcttcgttta 120

gacaacaaaa aatgataatg agaagaagtc taagtctgag aagcatcacg atgatgatat 180

taatggctgt tttggtctgg tcagtgactc tagagacctg cattgccaga agaggaagac 240

attggagaca tagccaccga agctcttctg acttgtctga ttccttgtca aacaagaaac 300

cgaagagcca tgggaacagt caccaccaca gttctcacaa caacaaccat caccacaagt 360

ctaaacctaa accgaaacca aagctgaaaa cgccgccaaa agctcacgac aataactctc 420

cggtggtttc agggccacca aaagtccaac caccgcctct tccgcctcaa aagggatctc 480

aagtttcaat gtgatggatt tggagccaaa ggg 513

<210> 16462
<211> 511

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-021-Q1-E1-B12

<400> 16462

ggngatnttc cncctgctnt tttngtccgg gtantcccgg gtggcnacac gcgtcggcta 60

acttctcctc ggatgcacta ttgtccgtga gatcagagat tcaccctctt tagattttgc 120

gcagaaactt ttgcccacaa ttttgtattc gtcaaatctg agctgagatc tcnagagtga 180

gaaaatgagc atcactaatg aagaagcagt gaagcaattg cgtgctttaa tggaagatgt 240

tgatgattca ctcagagagt cgtatcggaa cattcatcaa gggtatccga cagagaattt 300

gttacgcttt cttaaagcca gggatgggaa tgtccagaaa gctcataaaa tgttgctcga 360

gtgtttggaa tggaggactc aaaacgagat tgacaagata ctaactaaac ccattgttcc 420

tgttgacctg tacagaggaa tcagagacac acnacttgtc ggtgtgtctg gttactccaa 480

agaaggtctc ccctgtcatt gcatttgggn g 511

<210> 16463
<211> 517
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-021-Q1-E1-B3

<400> 16463

nnngaactgt ntccctgncc tttncggtgc cnaattcccg ggnaccccca cgcgtccgga 60

ntgattctcc atttttctcg ggagaaaagt tcctcgccgg agatggagca tatgatgaaa 120

gaaggaaggt ctcttgcaga gacgccgact tactctgttg cttcggttgt tactgttttg 180

gtctttgttt gctttctcgt tgaacgcgcc atttacagat ttggaaagtg gttaaagaag 240

actagaagaa aggcactttt tacttcactt gagaaaatga aagaggagtt gatgttgctg 300

ggacttatat cacttctgtt gtcacaaagc gcgagatgga tttcagaaat ctgtgttaac 360

tcttcccttt tcaatagtaa attctacatt tgctctgaag aggactatgg aatccataag 420

aaagttcttc tggaacacac ctcttctaca aaccagagct cccttanctc atcatggaat 480

acatgaagcc tctcancaat gtggtccatg gcgttaa 517

<210> 16464
<211> 518
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-021-Q1-E1-B4

<400> 16464

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gcnaattccc acaaaagaga ggtacaacaa gactcgtcgc tcttcgcttt ttcttctctc 120

tttctttctc ttgccagtag tgtgatctta cgaagctttt agtagagaaa aagcatatac 180

gcttngtctt tcttaatcga ctgataagtc cttaggatca gatggaacaa atgggtggct 240

actcaaaaca acaaggtcca tttttagttt gattaaggga tttggatctg agcttacttc 300

atcaactttg tcggaatata catttgcttt gtgtggattt ggaagttgtc cctgaatggc 360

gtccgaggat ttgaatattg ttgcggaatc aaagaaaggg gaagagaatg ttattgttga 420

taattccaag gacatgaata gacctgagaa tcttgactta tctactgaga aaactgatac 480

tgccaatgag aatggtccaa aagatgaagc ntctaatg 518

<210> 16465
<211> 525
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-021-Q1-E1-B6

<400> 16465

nngnngttgt ttnggcagcc tcttgccggg gtcnataccg tgtcctccac tcccggggcc 60

cccacgcgtc cgaaaaagaa gtaacagcaa ccaaaaatga cgacaatggc gacacaaggc 120

gcttggctac gaatgacctc atcagccaag tccatgacca agtcaaccgt gacttcaaag 180

gagcttggat tcctcacctc ccagctcagc ggcttaagaa tctcatatac tcccagtgac 240

gtcatcaacc gtatctccct tccttcgttc cccgggattc agccaatcgt cgcacgtaga 300

atctgccctt ttactgggaa gaaagcaaac agagcaaaca aagtttcatt ctctaaccac 360

aagaccaaga agttgcaatt cgtcaactta caatacaaga gagtttggtg ggaagctggc 420

aaacgttttg tcaaacttcg tttatcaact aangctttga agaccattga gaagaacggg 480

actcgacgct gttgcccaag aaanccggca ttgattttcg ccaag 525

<210> 16466
<211> 517
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-021-Q1-E1-B7

<400> 16466

nnnnnnnnnt ttnngnngcn tntngcctgn ccntaccggt ccananttcc cgggnccacc 60

cacgcgtccg catttctcca aaatctccga gttctacaat tgtgtgatca atcaatcttc 120

tccgatttca agcttctcga tcaaaagaat catcatggga ggaggaagag ctatggcgac 180

ggcggcgaag gttgctggaa tcggagttgg taaaggagga ttcaagggat ttggatttcc 240

tccggcgact gagcagtttc gtgttaaaac cgcggcggct gcggcgtcgt ctaaaccggt 300

ttcggcttcg attacatcgg cggttcatcc ttctgttgaa gaagatggga tgattatgca 360

gagaccggtt tgggatgatt gggaatttgc tgaagaagaa ccgattccta gggttgtttt 420

tagcaaacct cctagtcttg aagaagctaa agaagctact gaagatctta aagaagcaat 480

taanttggtg tatatgtcat ctcaaaantg tctgcgg 517

<210> 16467
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-021-Q1-E1-C1

<400> 16467

aaaccatacc ataaaaaaca tgaaaatcct ctcactttca cttctcttgc tcttggccgc 60

tacggtctcg gcatccgttc cagggctcat cgaactcgtc gattcgaaaa ccatctttgg 120

gaacgtagcc gaactcttag agaaagagaa actttccatc aactacgcca actgcagaag 180

ctggcacctt ggtgttgaga cctctaacat catagacttc gacacggtgc ccgcaaattg 240

caaagactat gttgaagact acttgatcac ttccaaacag taccaatacg actccaaaac 300

cgtgtgcaaa gaggcttatt tctatgccaa aggacttgcc ctaaagaacg acaccgtcaa 360

tgtttggatc tttgacctag atgataccct cctctctagt attccctact acgcaaaata 420

tggatacggg acagaagaag aacgacccgg ggggngg 457

<210> 16468
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-021-Q1-E1-C10

<400> 16468

nngatgtccn cctgcactat tggtccgntn atcccgggtg gnancacgcg tcgggnaatc 60

tcaactcttc ttctctctct ctctctctct ccgcctgttc tccattgatc taatctaact 120

cgctcatcag aatcatctct tcatcgttaa tcctcttcct tctcactcag natgtatcgt 180

ttcgcttcta acctcgcctc caaggcaagg attgctcaaa acgctcgcca ggtttccagc 240

agaatgagct ggagcaggaa ctatgcagcg aaagagatta agtttggtgt tgaagctcga 300

gctttgatgc ttaagggtgt tgaagatctt gctgatgctg ttaaagtcac catgggtccc 360

aagggacgta atgttgtgat tgagcaaagt tggggtgctc ctaaagtgac aaaagatggt 420

gttactgttg ccaaaagtat tgagttcaaa nacaanatta agaacgttgg tgctagtcnt 480

gtgaacaagg ttcaaatgcn actaa 505

<210> 16469
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-021-Q1-E1-C11

<400> 16469

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cgtccggttt ttgattctcg gatctactcc aagacggttt tcgaaattaa caagcttttc 120

aggaaatgga tcattcatca aatagatttg gcaataatgg agtggaatcg attttaccga 180

attacaagct tggtaaaact cttggaattg ggtcttttgg gaaggtgaaa atagcagagc 240

atgttgtcac agggcataag gttgctatca aaatccttaa tcgtcgtaag atcaagaaca 300

tggagatgga agagaaagtg aggagggaga ttaagattct acggttgttt atgcatcctc 360

atattattcg gcagtatgag gtaatagaga ccacgagtga catttatgtt gtgatggagt 420

atgtcaagtc tggagagctc tttgattata ttgttgagaa aggcagatta caagaagatg 480

angctcgtac ttttccanca nt 502

<210> 16470
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-021-Q1-E1-C12

<400> 16470

caagataaga aagaagaaag aatcatcaaa aaatgggaat aatggaggca gagaggaaaa 60

caacaggctg ggctgccaga gacccatctg ggatcctctc tccttacact tacactctta 120

gagagactgg accagaggat gtgaacataa gaatcatttg ctgtggaatc tgccacaccg 180

atnttcatca aactaaaaat gatcttggca tgtctaatta ccccatggtt cctgggcatg 240

aagtggtang ggaagtattg gaggtgggat tngatgtgag caagttcacc gtatgggaca 300

tagttggagt tggttgccnc cttggatgtt ncggaggttg ttccccngcg agagagatnt 360

ggaacanttt tgtccnaaga anatttggag ctacaatgat gtttacatca atggtcaacc 420

tacacaangg ggggnttcct aaaa 444

<210> 16471
<211> 519
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-021-Q1-E1-A7

<400> 16471

nnnngngntn tttctgnggc cctttnnnnn gnccaanccg ntccatactc ccggggcccc 60

ccacgcgtcc ggatgcttct gggacatctg agtttgtgga gaaaggaaca gataatgtag 120

tctttagcac atgtgatgaa gaaaaaagta gggttgtttt tcagatggga acttctgatg 180

ctgttagggc tctaaaggct tctgagattg tgtgtaatga cgttgcaact attgatatta 240

atatgggttg ccccaaggca ttctctatcc aaggtggaat gggtgctgct ttgttaagta 300

aacccgagct aattcatgat attttggcaa cacttaagag gaacttagac gtaccggtta 360

cttgcaagat tcgtctatta aaatcaccag cagatactgt tgaattggct aggagaatcg 420

agaaacttgg tgtaccagct cttgctgtac atgggaggaa aattgcagac aggccaagag 480

atcctgctaa atgggatnag attgcagatg tngtngcng 519

<210> 16472
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-H6

<400> 16472

cttgaagaaa tgcgctgcca aggttaacat ggaatacggt cttgatccga cgattgggaa 60

agcaattatg caagctgctc aggaagtacc tgagggaaag ctcaatgatc atttcccccc 120

tgttgtctgg caaactggta gtgggactca gagtaatatg aatgctaatg aggtcattgc 180

taatagagca gctgagattc ttggtcgcaa acgtggtgag aaatgtgtgc acccaaatga 240

ccatgtgaac agatcacaat cttctaacga cacttttcct accgtcatgc acattgcagc 300

tgcaaccgan attaattcga ngctcatccc taantttaaa aactttgcat agcactttgg 360

gaatctangt ccttcgagtt caaagatatt gtganaattg ggaagaacca cact 414

<210> 16473
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-H7

<400> 16473

gngntgtnng ngaaatttcn acgcgcnacg taccggtaaa ncnaattccc gggtccaccc 60

acgcgtcaga ncgatactca aagctcgtaa tctccttcta ctctccagat ccgaggattc 120

tcttcgttta cagatttgta aacgttcgtg aaattggatt tgttgatctc tttggtaaac 180

aagcatggct gctccagtgc ctccaggagc atatagacct aataacaatc agcaaaactc 240

tggtggtcct ccgaattttg ttcctggttc acaaggaaac cccaattctt tagctgctaa 300

tatgcagaat ttgaacatta atcggccacc tcctcctatg cctggttcag gtcctagacc 360

atctccacct tttggtcagt caccacaatc ttttcctcaa caacaacaac aacaaccaag 420

gccttctcca atggctagac ctggacctcc tcctcctgct gctatggcta gaccaggtgg 480

acctcctcag gtatcgcaac ctggtggg 508

<210> 16474
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-A1

<400> 16474

gtacctccaa tggcttcttc tgcatttgct tttccttctt acataataac caaaggagga 60

ctttcaactg attcttgtaa atcaacttct ttgtcttctt ctagatcttt ggttacagat 120

cttccatcac catgtctgaa acccaacaac aattcccatt caaacagaag agcaaaagtg 180

tgtgcttcac ttgcagagaa gggtgaatat tattcaaaca gaccaccaac tccattactt 240

gacactatta actacccaat ccacatgaaa aatctttctg tcaaggaact gaaacaactt 300

tctgatgagc tgagatcaga cgtgatcttt aaatgtgtcg aaaaccggtg gacatttggg 360

gtcaagtcct ggtgttgtgg agcttactgt ggctcctcaa tacattttca atactccaca 420

aagacaagat tcnttggga 439

<210> 16475
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-020-Q1-E1-A10

<400> 16475

attgcatcaa gtaatcgccg tgtaactaac tacttttgca ttcaccatcg ctcttacgtt 60

tgaatctatc cagatccaaa gctcttcttc ttcccggcaa ttctgagatc tcattttcac 120

cggcgacgag ctttaatcgg agaacgatga agcagcttca caagcaaatg agctcgaagc 180

gtgatgaaga aaccattccc atgagccaat ccagtcctta ctctcccaaa actttaaagc 240

atcccagatc tcttcccaga tcgcttcact atctctttcg tgaacaacga ctcctcttta 300

tcctcgtcgg gatcttgatc ggattcactt tcttcatcct ccagccttct ctctctcgtt 360

taagcgccgc tgaatccaac tcgttaaaca caagtttggt tcctaaggcg tcacga 416

<210> 16476
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-A11

<400> 16476

gngnnnnnnn gaacaatttt tttgncnccc ngtcggtaaa ganattcccg ggncgnccca 60

cgcgtccnga acgattcaac atcaaatcta gctgaattat tgtttcgcgt tgattgattg 120

atccggagaa aggcgatgac atcgcctgga tcgaagaaag ttgttaccac cgacgacgga 180

tcggagaaga aagtttccgg caatctcgga aaagtaagtt tttccggaga tcttaatcat 240

agtggaagcc atagtggaag ccatagtcgt agcagcagca gcgccggagg tggtgaagga 300

ggaacgtttg agtatttcgg atgggtttat catttgggtg tgaataagat cggtcatgat 360

tactgtaatc ttcgtttcct tttcattaga ggcaatatgt tgagatgtat aaaagagatt 420

ctcatgagaa acccagacat taaancctat aagggtggng tcaaagggcc cacaatggng 480

gattgaaaac ctaggncctc naaaaatt 508

<210> 16477
<211> 87
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-A12

<400> 16477

ccgtgtcctg aaggcgcntt ggattcgaat ttagtgaagg gaaagatcgt tccttgtgat 60

ataggggact catntctagc acaccna 87

<210> 16478
<211> 105
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-A4

<400> 16478

naatcctcca acncgcgatc gattacatgg cttaatcatc ggcgatgatg ttcaatgctg 60

acaaataccg accanncgtt tacaagacga ttcaagcgta ncntg 105

<210> 16479
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-020-Q1-E1-A5

<400> 16479

catgtaaccc ttttaagata attttcttct tcctgttaat ttatctgaag tttgcttctt 60

atcttcgtga tcgctttttg caatcacaat aatgtctaac cgttccttca agaatttcat 120

agaagaagaa cttggaacat tcccacagtt cttaatctac gctcttcttg aatggatcct 180

catcattatc ctcttcatcg atggcttcct cgctttcttc tctaaccaaa tcgctaaatt 240

ctttgacctc aaaatcccct gtcttctctg cactagactc gaccatgttc ttgtcagcag 300

aaaccctgat ttctattaca acgactcgat atgcgatgct cacaagaaga atgtctcatc 360

tctcgcttac tgtcatgtgc acaagaaact ctctgagatt aaacgt 406

<210> 16480
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-A6

<400> 16480

gagaagagca agcagcggcg cagaagttga acacaagtga agctcacaat ggcgaggatt 60

aaggttcacg aattgaggga gaagtcgaag agcgatcttc aaaaccagct gaaggaactc 120

aaagctgagc tcgctctcct ccgtgtcgct aaagtcaccg gaggtgctcc aaacaagctc 180

tctaaaatca aggtcgtgcg taaatccata gctcaggttt tgacagtgtc ttctcagaag 240

cagaagtctg ctctaagaga agcatacaag aacaagaagt tgcttcctct tgatctccgt 300

cccaagaaga cccgtgctat tcgtagacgc ctcaccaaac accaagcctc gttgaagaca 360

gagcgtgaga agaagaagga gatgtnattc ccaataaggg aatacgctat caaagtttaa 420

gttttagctg cc 432

<210> 16481
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-020-Q1-E1-A8

<400> 16481

caaaaaaaaa tggcgacggt acaattgtcc acccaattta gctgccaaac cagagtttca 60

atctcaccga actctaaatc tatctccaag cctccgtttc tggtaccggt gacctcaatt 120

attcaccgcc cgatgatctc caccggagga atcgctgttt ccccccgtag agttttcaaa 180

gtccgagcca cagatacggg agagatagga tcagctctat tggcggcgga ggaagcaatt 240

gaagacgtgg aagagacgga gcggctaaag agatcgctcg tggattcgtt gtacggaaca 300

gatcgaggtt taagcgcatc gagcgaaacc agagctgaaa tcggagatct aatcacacag 360

ctcgagtcta agaacctact ccagctccga cggaagctct tttccttctc aacggcaaat 420

gggttctcgc ctacacaa 438

<210> 16482
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-A9

<400> 16482

nnnnnnnnga aactggttct ctggccgccc cggnnnnaaa naaatcccgg gnggncccac 60

gcgtccgaan ggagagagat ctgcgagaga aagagagatc agattccggt gttccaagga 120

agcacatatt ttaagatcca gaatcgcctg agagatgtct accttcagtg gcgatgagac 180

cgctcctttc ttcggcttcc ttggcgctgc cgctgcgctc gtcttctcat gtatgggagc 240

tgcgtacggg acagcaaaga gtggtgtggg agtggcatct atgggtgtga tgaggccgga 300

gttggtgatg aagtctattg tcccagttgt tatggctggt gtgttgggta tctatggttt 360

gattattgct gttatcatca gtaccgggat taaccccaag gctaaatcct actacctctt 420

cgacggatat gctcatctct cctcctggtc ctgcctgtng gccaactggt ccttcaacct 480

gggaatggca ataagtatcc ttgggga 507

<210> 16483
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-B10

<400> 16483

gcacagcttg acaatcatcg gaatcagctt attcaggtac gtgaatgtcg aaagccaaag 60

ttttttttaat atgtcatctt cttttgttga tcatcttcaa aatcctgcag ttggagctag 120

tgttaagttc tggaacagtt tgcttatcga tgtactctct tgtcgctgga attttcggga 180

tgaacattcc atacacatgg aacgacggtc atggatacat gttcaaatac gtggtgggct 240

tgacggggac actttgtgta gtcgtgtttg tgatcataat gtcgtacgct aggtacaaag 300

gacttgtggg atcttgatgg ctgaatttgg gttagatgga gagattgtga aggggcattg 360

ggcagatctt gttttcgatt attatacttg tgggccgttc cgagttttga acgaacntca 420

caattaa 427

<210> 16484
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-B12

<400> 16484

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cgccgaggct ttaacggcca ccggcggaga ttccatccag aaagccaccg actggattct 120

ctcccaccgt tcttcccctc aatccacggc cacgttacag cccaaactcg accgcttcct 180

ccgtctccat cccaaagccc tagccccgc catgggtgac gattccagca agcgccccaa 240

tcccaaaacc caaatccacg tcgcggctga tgattccaac aagcgtcaca agctctcatc 300

atccagccac cgccaacacc agccattgtc ggagcgtatg cgtcctcgca ctctagatga 360

cgttgtaggt caagaccatc tcctctctcc caagctctct cctccgttcc gccgtcnatc 420

caatcgcctc ccttncaat 439

<210> 16485
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-B3

<400> 16485

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ttagactttt agaacaacac tcgagggaag tacgacgacg aagaagagct aacaacgata 120

atgaatcggg ttactactga aagcattgcg tctacggcga tactggtggt gatggtgttt 180

ctcttctcgt ggagatctat cgaggcggcg aatgtatcct acgaccaccg ttctctcacc 240

atcggcaatc gccgtcagct cattatctcc gccgccattc actatcccag aagcgtccct 300

gctatgtggc catctcttgt tcaaacagca aaagaaggag gctgcaacgt aatcgagtcc 360

tatgtcttct ggaatggcca tgagccatct cctggaaagt ataatttggt ggccggtata 420

atatantgaa gttt 434

<210> 16486
<211> 516
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-020-Q1-E1-B8

<400> 16486

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acgcgtccga aaccctaact attaaaaaga atcgaaaaaa tcaaagttct gaacttctga 120

tcaatttcga tatgttatcg ttaatcatca gaaggtctcg aagcagattc atcatccatg 180

gaatcaaaat ttcttgtaac tctctgtcgg ctgtagattc aagttcttca gttttggttt 240

ctagaagaac cttcagttca acacctgcgt taagctattt tggattcaat tatggaaaaa 300

tctctaattt gaatcaagag atttggtaat tacgcttatt ctgggagtag tttcgcttcc 360

agtactcgat cattgagctc aaaagctgta gctgtggcan cgacttgtga aggacttact 420

ggtgggaacg aattatancc aaacaagtgg gcgattttaa atgaagaatg aaaggtgant 480

gggaagantc acgccgcagc aattgcacan gtccaa 516

<210> 16487
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-H4

<400> 16487

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aagaggaaga agaagaagat gtctgtgcaa gagtatttag acaagcatat gctttctcgg 120

aaaatcgaag acgccgttaa tgccgccgta agggctaaaa cctcagatcc cgttctcttc 180

atcgctaatc atctgaagaa agctgtatca tctgtgataa cgaaggttaa agcacgacag 240

atccttgaca gcagaggaat tccaacagtt gaagttgatc tgcacacgaa caaaggcgtt 300

tttcgtgctt ctgttcccag tggtgattcn tctggaacgt atgaagctat tgagctacgt 360

gatggagaca aaggaatgta tcctgggaaa cagtgtggct aaagctgtta agaacataaa 420

tgaaaaaatt tctgang 437

<210> 16488
<211> 513
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-F2

<400> 16488

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cgcgtccgga gaaaacaaaa canaaaatgg ctacccgaaa agctctgatc aacgttcacc 120

ggatcattcg ctccaccgcc gtggttggcc ggagctctat cattcctgcc gccgctaacc 180

ggtcatatcc tattatattc cggaatggag ttgatttggg ggcgagattc ttctgtgaga 240

acactgcgtc tgcccagaat ttcgatattg atctctctaa cgaagagaat aagagaagaa 300

cgatcaacag attgttgtat aggagcaagc aaagagggtt tttggaactt gatcttgttt 360

tggggaattg ggttgaggag aatgttaatt ccatggacga aaatggtgtt aaatccctaa 420

ttcatgtcct caatttggaa aaccctgatc tctggaaatg gctaactgaa caaggaacag 480

cctcccggga agcagtgagt tcaaatcccg tng 513

<210> 16489
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-F3

<400> 16489

acgcgtcttc tcatttctag tttctcagcc tcctcctcct tctcttcctt cttatatata 60

aatatatcca caaaatcatc tcttttgctt cgctgtttct ctcattattc catctctctt 120

atcgccgcta caaacgtttc ttcttcaacc tcgttcagag attatcctcc cttcttttct 180

catcttacaa ggaagttggg cagttaaagc tgctgggatc accagttttg tcaaaagtgg 240

agtgtgaaga atcttttatg tctgaacagg cttctctctt tcaatcatct atccggcttt 300

taggagagta ctgtcctata tctaggaaaa agtccactca taaagttggt ggtttgcgtt 360

ttgaggagga catcacgagc tgtattggat ttcagtttat gcaactgagt gattancact 420

ggctcntctg aa 432

<210> 16490
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-F6

<400> 16490

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accgacggca caccgtcagc tcaattcgcg tcaatcttcc tccgcctgtt atatacacgg 120

tggctcttct gtgaacaaat ccaataatct ctcattctcc tcatccacat ccggatttgc 180

gtcaccacta gctgtagaga aggaattacg ctcttcattc gtacagacgg ctgctgttcg 240

ccatgttacg gggtctctta tcagaggcga aggtcttaga ttcgccatcg tggtagctcg 300

tttcaatgag gttgtgacta agttgctttt ggaaggagcg attgagactt tcaagaagta 360

ttcagtcaga gaagaangac attgaagtta tttgggttcc tggcaanctt tgaaattggt 420

gttgttgc 428

<210> 16491
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-F7

<400> 16491

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ctgaaagact acttctcgga aattttcgtc tccatggcac ccgtgagggg gattcttggc 120

ttgcaaaggg cagtgtccat ttggaaggaa agtaacagac tgactccagc tttgagatca 180

ttcagcactc aagctgcatc cacttccacc actccacagc ctcctccacc tcctccgcct 240

ccggaaaaga ctcatttcgg tggtctcaag gatgaagatc ggatttttac taatctctat 300

ggtctgcatg acccatttct caaaggcgcg atgaagagaa gtgattggat angaccaaag 360

atttggtgct caagggtact gattgggatt gtcaatgaaa tgaagaatct gggacttcgt 420

ggacgtggtg gtgctg 436

<210> 16492
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-F9

<400> 16492

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ttcttagctt tgatgggttc ttgcttcagt tctcgagtca aagcagacat cttccacaat 120

ggtaagagca gcgatcttta tggtctaagt ctctcaagtc ggaaatcgtc ttcgactgta 180

gcggcggctc agaagacgga aggggagata ttgagttcga cccctgtcaa aagcttcacc 240

tttaacgaac tcaaactcgc cacaagaaac ttcagaccag atagtgtgat cggagaaggt 300

ggctttggtt gtgtctttaa aggctggtta gatgagtcna ctctcactcc gactaaacct 360

ggaaccggtt tggtcatcgc cgttaaaaag cttaaccaag aaggttttca aggtcaccgt 420

gaatggctg 429

<210> 16493
<211> 522
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-G1

<400> 16493

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acgccgtccg caagacgcgt gggcggacgc gtgggcttca acagaatatg caaataatgt 120

gggcccttcc caacaggata atcttccacg tgatggcggt gcctcaaaac agaagcgctt 180

gggttataag cagaagcaaa atattatatt tgagaaaaaa ccgacaggga gctctgttgc 240

tactgcagag gtgtttgatg ttgtcccgtc tcctgaggtt gttaatgaag gtgtctcaag 300

caataactca gacatgccag cgacgtcaac cgtttcagct gagtcaactt tcccgaaaag 360

aaaaaataac aggaatggta agaaaaaaca caangctgaa gagacagcaa ctatgaatac 420

tacaaagaat tgccgttggg aaagaaacaa aaatccgggg aaatgagtca attgagactg 480

ctaagggcaa agggcaacct gaaaattgaa tttgggtccn gt 522

<210> 16494
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-019-Q1-E1-G10

<400> 16494

gacttcttct gttttctccg gcaatgtcgt taaaactcaa cactcctttt ccaattttcg 60

cgccatctct atttcctaat cataacccaa gagcacccag cgagatccga ttctctagat 120

ggggcaacgc taatgccgaa cggttcgagc agcgtcgccg gagccaagaa gaactcgagg 180

ctgagatccg tcgggaccgc cgattcgacg ccgctactaa aatcgtccat acccatgatt 240

ccgaagcagc agctgctgag cctaaaacgt caccgtttag atcaagaggc actccttcac 300

ttccctctgc tcgttcgatt ccgggtcgaa gatccaaata ctccaaaccc gattcaggac 360

ccaatagacc caagaacaaa cctagagtac ccgattcgcc gccgcaacta gacgc 415

<210> 16495
<211> 71
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-G12

<400> 16495

nccgatgatt tcatcggctg acantcgatn ggactctggt tctgatacac gagaccaaca 60

ctgattgtga c 71

<210> 16496
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-G4

<400> 16496

ttattggagg atttcactga gcttgcaaga gagaacactg agaaggacct cgagacttgt 60

gggactctcg ctgcctttct tgaaagagga atttttatg taaccactct gataatacct 120

aagcaagaat caacttctaa ttcttgtcag gctatgaatg aagtggaagt gttttccatt 180

caaaacgaaa gagaactcta tcccgtagga tggattcata ctcatccttc tcagggttgt 240

ttcatgtcat ctgtagatct gcatacacat tattcgtatc aggtaatggt gccagaggct 300

tttgcaatcg tcgtagctcc aactgatagc tctaagagtt acgggatatt taagctaacg 360

gaccctggag gaatggaggt actgagaagc tgctcaagag actggattcc acccgcacaa 420

aagaancaag aagatnggaa 440

<210> 16497
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-019-Q1-E1-G5

<400> 16497

gaaaaaaaaa acagagtaga gattgataaa aaaaaaatga gtagctccga ttctcctcag 60

cttcacaata tcttcgtcta tggtagcttt caagagcctg acatcatcca tgtcatgctt 120

aatcgtattc ctgagattgt ctctgcaaca cttcctggct tgtacgttac ctctctctct 180

cgatcttgat cttgatctcg aatgataatt ctctctgttt tttagatcta aggtttaatg 240

ccgattttgg gttgttttca gtaagagatt taggcttaaa ggacgtttgt atccatgtat 300

tatcccctct gagaatggag aagttcatgg aaaggtacta atgggattga ctaatgatga 360

acttgagaat gtagattggg ttgaaggaaa cgaatatgaa agagtgtttg ttgaagttgt 420

aagaaaagac aatt 434

<210> 16498
<211> 240
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-G8

<400> 16498

tagagaactc tttaggatgt ctttgtttgt tttcttctac tttctagcgt gttagtgtac 60

attggtgtac tggagcaaat cttccttaac tctttagtag ctgacaagta tgatctacat 120

ttgtgttagt gtccacgtat aatgatggct tgtgtatcca aactacagct tctgatgctt 180

aacagttaca tgtttatgct taaaaaaaaa aaaataaana annanaanan aaananaana 240

<210> 16499
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-019-Q1-E1-G9

<400> 16499

aatcacgagg tttccctcac ttcctttcca ttgctaaacc aggatttgcc tcctgcattt 60

ggaaatggac gcttctatga ttaccaattc caaatccatt acttctccac cctctttagc 120

cttagggaag tcaggaggag gaggagttat cagaagttca ctatgtaact taatgatgcc 180

aagcaaagtt aacttcccta gacaaagaac tcaaactcta aaggttagcc agaagaaact 240

caagagagct actagtggtg gtcttggtgt tacatgcagt ggtggtgata agattctcgt 300

agcgaatcga ggtgaaattg cagttcgtgt tatcagaact gctcatgaaa tggggattcc 360

ttgtgttgct gtgtattcta ctatagataa agatgctcct catgttaaat taa 413

<210> 16500
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-019-Q1-E1-H1

<400> 16500

aatagacaga tctaccctcc gatcaatgtc ttgccatctc tgtctcgtct catgaagagt 60

gccattggtg agggtatgac tcgcagggac cactctgatg tttctaatca attgtatgcc 120

aattacgcta ttggaaagga cgtgcaggcc atgaaagccg tggttggaga agaagctctt 180

tcttccgagg atctgctata tcttgagttc ttggataagt tcgagaggaa gtttgtggct 240

cagggagctt atgatacccg aaacatcttc cagtcactcg acctggcatg gactctcctc 300

agaatcttcc cccgtgagtt acttcaccgt atacccgcga aaacccttga tcagttttac 360

agtcgcgata ccaccaactg aagaacataa gtttctactg ccttggtgtg atgatatgtc 420

caaat 425

<210> 16501
<211> 302
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-H12

<400> 16501

aaaaaaaaaa acagaaagta acatgagatc tctcttatta gccgtgtgcc tggttcttgc 60

ggnnanantg cggtgaagca gccgtgtctt gcancacggt gattgcggat ctttaccctt 120

gcttatccta ngtgactcag ggcggaccgg tcccaaccct ctgctgcaac ggtctcacaa 180

cactcaagag tcaggctcaa acttctgtgg accgtcaggg ggtctgtcgt tgcatcaaat 240

ctgctattgg nggactcact ctctctccta tnnncatcna anagtgcttt ggaattgcct 300

tc 302

<210> 16502
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-H2

<400> 16502

atcttgtgcc tttagatttc ttttcgggga gatctagtag ttgttggatt cgttaaacgg 60

agaagtggat ttggtacgag tctttaggtt tccttcttca ccaaaagctc tatatagaga 120

gaatctgcga gctctttttg gtaggaaatt agggttcgtg ttgcttggta aatatagaat 180

caatgacgga ggttgttctg catatatacg atgtgacgaa cagtggatcg gagaagacta 240

acaacaccat tgttcagatc aataggttct tcaaagacgg gatcggtctt ggcggtatat 300

tccacagcgc tattcaggta tatggaaacg atgaatggtc ttacgggtat tgtgaactan 360

gaactgggtg tattcagctg ccccgagtgg aaagaatcca atgtacacat accgtgagaa 420

aatcgtccnt ggcaaaa 437

<210> 16503
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-H3

<400> 16503

gtggaagttc cagaaattgt ctgtgaagat tgttaccaac gagtccttac cgaattcatg 60

aaactctcaa aggtgcctgg attccgtcct aaaacaagag ttccagagaa tattattgtt 120

ggtttcgttg ggaggcaata tgttctgaga gcaactgttg aatctatctt aaagagaaca 180

cttcctcacg ccatggaatc agtgactgga agggctttaa aagactcgat acagattgta 240

agcagttttc cagatatgga gaaggcttat tctaagctca agactcttaa gttatgangt 300

ggttgttgat gtggtacctg aactaaaatg gaatcctgag gatgggtata aaaatatgaa 360

agncnttgta gaactangcg atgagatana tgcaaaaaaa gcttgtgaaa agacaact 418

<210> 16504
<211> 372
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-F12

<400> 16504

ttctcggana aattacnctt cttcatcgat tttccggtgg tttggtttgt caacttcatc 60

ttcttcttct ctttctcctt tcatttttt tcntgtgttt cttctttnac gtgggtcctt 120

caatctccat gaaggacccg accattgctt antcctaaac aaaactccaa aaatctaatt 180

cttttcgatc tgttttatct tcaaataata anactcnttg attgctaaaa ccgattttga 240

tcatcatcat gcactgtttt ccgtgtttct cttcgccaaa naacaagana tcttcancta 300

cgattgagac caacgacaac annngaaccc aaancagatg atangagacg tgcagaagag 360

acanaggaga ta 372

<210> 16505
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-019-Q1-E1-D10

<400> 16505

agattgaaat accacgatgc ttttgtttgc gctgagggaa aagtctttga tgtctcagaa 60

tgggctattt gtcagggaat ggcgtgtaga ccaaatacac ataggccaag tttccatgtg 120

aacatggtcg gtttagaaaa ggcaacacag agatcaaagt cgagcaggtt cccgtgggat 180

cttgatgtgg agatgatgga cgaggatgag gaagagtttg agttatggct tcaacaagct 240

ctagcttccg gtctattctg tgaaacatca aaacgcagaa aaagctggag tcctttcaag 300

ttaaccaaga aacaatcccg aagaacatcg acttgaccaa aagaagacat caacaaggat 360

ggcaagatca acaacaatgg ctgaatggct tgttctttcc aacaatggga aaatgggcga 420

agataagaac gaa 433

<210> 16506
<211> 367
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-D11

<400> 16506

tgtcctgttc ctggaccaac cttttgtcca tcgaaccctc ataattggtg ggaaggttat 60

gcctatcagt ctcttaacgc cgttgaagct cgacgttacc ggtgggnnag agtaaaccat 120

atggtttatg attattgtac tgaccggtct atgtttcctg tcccaccanc cnantgtcnt 180

gcttgaaaat aattgcatac gtacgttgca atgatcatgt ttcgtcttgt acgagatttt 240

atatataaat tgtgggaaaa tgtggattgt attgtcctct tacgcaantg tgcanacgta 300

cgtgagtgtg tatagatana antggtgatt tgtggttatt tgaaattttt atgantaann 360

aggaaaa 367

<210> 16507
<211> 353
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-D12

<400> 16507

gactgctgct actgccgctc ctcctgaaca atctgatgaa caacaaccta atgtcaatgg 60

tgaagctcag gttttacctg atcagtcagt anaaccaaaa cctgaggaat catgatcctt 120

ataccaagtc tagttgaaga naagtggatg agaattgaga actattgtct ccacagatgt 180

tgcgctttgc ttttctgtct ttcaaaagca ttatatgctg tttgttgtac ttaattctac 240

aggctttagg gaagtgattc ttgacatttt tgtatgttta tgttttgggc aaaggttttt 300

taaatcgaag caaagccaac agttgccaaa cagacaaaaa aaaaaaaggg cgg 353

<210> 16508
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-D3

<400> 16508

ggnnnnnngg naacttnttt cctgcccccc accggtccaa aaatcccggg tcnacccacg 60

cgtccgcaan actccattat tctcctgctt cttcgtctct tcaattattt tctctgagac 120

tagctttgat tcaaccatgg ctaatgcagc atcaggaatg gcagtccatg atgactgcaa 180

gctgaaattt atggaattga agacgaaaag gacacaccgt ttcatcattt acaagattga 240

ggagctgcag aaacaagtga ttgttgagaa aatcggtgaa ccgggtcaaa cccatgagga 300

ccttgctgca agtcttccag ctgatgaatg ccgctatgcc attttcgatt ttgattttgt 360

cagttctgag ggtgtcccaa ggagcangat ttttttcgtg gcatggtctc cggacacagc 420

aagagtgaga agcaagatga tctatgcgag ctccaaggac aggttcaaga gagaactaga 480

cggattcaag tcgagcttca ggca 504

<210> 16509
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-019-Q1-E1-D4

<400> 16509

cttaaacccc aaaacaaaca aacaaacaaa caaaaaatac caaaacaaag aagaaaaaaa 60

aaataactat ggatcttctc tttctctttt tctctcttct cctctcttac ctctttttca 120

agatctggaa actcatagac tcaaagcaag acaaagattg ctacatttta gactaccaat 180

gtcataaacc aaccgacgat cgaatggtga gcactcaatt cagtggagag atcatttatc 240

gaaaccaaaa ccttggttta accgaataca agttccttct caaagccata gtaagctcag 300

ggattggaga acaaacctac gctccaagac ttgtctttga aggtcgagaa gagcgtcctt 360

cgttacaaga tgggatctcc gagatggaag agttctacgt ggacaagcat cggaaaactc 420

ctgggagaga aatcaaatat ct 442

<210> 16510
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-019-Q1-E1-E10

<400> 16510

aaagacaaaa aaaaaaaaaa aagagaaaga agaagaagct tgggacaggg gagtcccaga 60

aagaaaaaaa gttttttttt tccggtgaca gtgtcggttc tctgacgctc ccatttttgt 120

tcaatctttc ttccttcttt ccctgaatgc cttcactcgt attctgaaac ttgcggctat 180

ttacaattgc aggagtgtga atgattataa ggtagtaatg gattcaaaga acaccatctt 240

atctccgagt atcatcaatc cgctttgctt gctgtcctgg aggtgatttg tcttttagat 300

gattgacgaa ttcatcgaag aagagttgcc accattaatc tgatcagcca aaaaaaaggt 360

ttggcatgaa ctgtatggct gtcgctctcg atccactaac cgaccggttt tcgcagt 417

<210> 16511
<211> 172
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-E12

<400> 16511

ntactanttt tatcntttta tgtacnttgt ctctatttga attactagct atgagttttg 60

ttagacgtac gcactctaat aatattcatt ttatcatgta aaacgctnng actgtatttg 120

gttgtaagtc aatgttctta acgaaaatat tgatgaagca atgttacann ga 172

<210> 16512
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-E2

<400> 16512

cttgataatt ggaatggcgt cgaccgtttc cacttcaacg ctaaggtcac ccaacaagat 60

ttagaggaca catacaacgt gccattcaaa tcatgtgttt acgaaggaaa agtagcgagt 120

gtaatgtgtt cgtacaacca agtcaatgga aagcccacat gtgctgatga aaatctctta 180

aagaacacta ttcgtggtca atggcgtctc aatgggtaca ttgtctcaga ttgtgactct 240

gttgatgttt tcttcaacca acaacattac actagcactc cggaagaagc cgccgccaga 300

tccattaaag ccggtttgga cttggactgc gggccgtttt tggcgatttt cacggaangt 360

gcagtgaaag aaaaggattg ttaacgggag aatgacatca atttagcact tgctaataca 420

ttaacagtcc aaatgagact ng 442

<210> 16513
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-019-Q1-E1-E4

<400> 16513

gaagcagaac ccaataaaga tagtgtcgtc tccaaagcag aaccagtaaa gaaaccgaga 60

ccttgcgagc tctacgtgtg taatatccct agaagctacg acattgctca gcttcttgac 120

atgtttcagc cttttggaac tgtaatctct gtagaggtat cgcgaaatcc tcagacggga 180

gagagccgtg gaagcgggta cgtgacaatg ggttctataa actctgccaa aatcgccatt 240

gcttctcttg atggaacaga agtaggtggt cgggaaatgc gggttaggta ctctgttgac 300

atgaatccag gaacaagaag aaaccctgaa gtcttgaact caactccaaa gaagattctg 360

atgtacgaaa gccaacacaa ggtctatgtc ggaaatctcc cttgggtcac acagcctgga 420

tggtttgaga aaccacttta 440

<210> 16514
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-019-Q1-E1-E7

<400> 16514

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gaaacacaaa gatgaacgct gagaataatc agactactac tactcactcg aaagtgatct 120

cacatgtatt ctgcactggt actgctaagc taggctctgt tgggccaccc attggtcttg 180

ttgatattgg cgtcagcgaa gttgcttaca tcttccgagt ctctcttcct ggcattgaga 240

aaaatcaaga taagatcaaa tgtgaaattc agagggaggg gagagtttgc atccaaggag 300

ttatacctga gattgcgatt ccaagtgaca cgggatgctt atacagaatg caagtgcaac 360

agctctgtcc gcctggtcca ttctcaatca cgtttaatct tccgggacaa gtggattctc 420

gcttgttttc 430

<210> 16515
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-019-Q1-E1-E8

<400> 16515

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acgtctccga tcttactgct gctcttaagg acgaggatcg agctggcctt gtcaatgctc 120

taaagaacaa gctgcagaat ctggctggtc agcgttctga tgtgctcgag aatctgactc 180

ccaatgtgag aaagcgcgtt gatgccttga gggatataca gagccaacat gatgaactag 240

aggcaaaatt ccgtgaggag agagctattc ttgaagccaa gtatcaaacg ctgtatcagc 300

ctttgtatgt caagcgttat gagattgtga atggcactac tgaagttgaa ctggctccag 360

aggatgatac caaggtggac caaggagagg agaaaactgc agaagagaaa ggagttccaa 420

gtttctggct gacaact 437

<210> 16516
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-019-Q1-E1-E9

<400> 16516

gctgggatcc aattttctta tttccccaac caaaacaggg gaagaaaaaa aaagaaaaca 60

aaaaaatcaa aaaaaattag aaaatgaaag cctcaacaag agtcatatgg acaatatctg 120

tccttatgct cgctgctgtg tccgaggcca tcttccctct accgtttcta ccgttcctcc 180

ctgggttcaa caacggcttt agggacaatg aggctgtcaa ggttgcgaaa ccacagcctg 240

caggagcagt tggtggaaaa gccgcaagaa ggcagcgtgg cggcggttta gacgctcaga 300

caacctgggg tggtaagtgg gagctcttct tggaaaactc gggtgtgtca gggatgcatg 360

cgatccttat gccagttatc aacaaggtcc agtactatga cgccaccatt tggagaattt 420

caa 423

<210> 16517
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-F1

<400> 16517

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gcgtccggga gagacagagg aggatggtgg agttaacgaa tcaaagaggg tcggataaac 120

caaagtacca tgaccgaatc agaaatgtcc gacggaggga gaacatgcgt tgactcttat 180

tantctcaga ctttacgcta gagcaatcat ttcgatttga tctccgatgc tttttttgt 240

tggtttgttc ttttaatttg ctagactctt aatgaataat gtatatgatg gtgttttggt 300

gatatcgaat gtatcaattg tttctgcaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 360

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa angggnggcc 420

ncccnaaagg ntccangctt acttacncgt gnatgcaacg tcntaccctt ccnaaagggt 480

cncctaaatt taattcncgg ggcgtcgttt t 511

<210> 16518
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-F10

<400> 16518

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agaagatggc tgtgctttac cattatcctt gccatgacgg tgttttcgca gctttagctg 120

ctcatctcta cttctcagca aagtcaatcc cttcactgtt cttccccaac acagtctact 180

ctccaatcac aatcaaccaa cttccacttc aagacatcag tcatctctat ctttttgatt 240

tcactggacc tccaggtttc gttcaccaag tctctcctaa agtcgacaat gtcgtgatcc 300

tcgatcacca taaaaccgct attgatagct taggtgatgt ctctttgact tgcaagaacg 360

ttactagtgt tttggatata gagagaagtg gtgcgactat tgcgtttgac tantttactc 420

agaagttggg 430

<210> 16519
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-F11

<400> 16519

ggccgagtgg agcgggaagg agttacagtg ctgcaaaggt accatctacc aagaaagctt 60

atagtcagga gcancatggt ttggactgga aggaagacgc ngttgtacgc tcagttcccc 120

ctcttgctcc tcctgaaaat tatgctataa aggaatctga atctcctgca aacattgata 180

gaatgtcttc ctggaaaaaa cttccatctc cagcactgan aactgtgaaa gaagcgccag 240

cgtcagaaga gcagaatgat agcaaagttg aacctccaaa tatagttggg agtcgacaag 300

gtagggatga tgccgctgtt gctattctca actttcctcc agcaaaagat tctcatgaac 360

actcctccaa gcatcggcac aatatttctt ggggttactg gggggaacaa ccccttattt 420

cgg 423

<210> 16520
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-019-Q1-E1-D1

<400> 16520

gcccacgcgt ccgcaaaatc ttaaaaacaa caacaaaaat gaaaagtctc cacttttttag 60

ctcccaattc aacgattatc aatctgaagc aacaatctta tacanaaacc aagttccagt 120

tgcatcgtag caacagaaga actctatcga taaactgcgt aaacagtggc ggtgatgaag 180

agaagattac tcagccgttg gatggagtgg agataagatt caaaagagga tccagaagga 240

aaatgaggga agagggttca ggagaaggag gaggacaaag cgggaagaaa aaagagactg 300

ttcaaaagcc atgggaagag atgacattga atgagaaggc attggagctt tatgttggag 360

agaaaggttt gttgttttgg ctaaacaaat tggcttacgc gtcgatatac attgtcattg 420

gaggttggat 430

<210> 16521
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-H10

<400> 16521

gaggtaagca agttcacgcc tttctaatcg taaacagcat ttccggtgat agctataccg 60

atgagaggat cttggggatg tatgcaatgt gtggtagctt ttcagattgt ggtaaaatgt 120

tttacagact agatttaagg cgtagtagca tcaggccatg gaattcgatt atcagcagtt 180

ttgttcgaaa tggtttgttg antcaagctt tggcatttta cttcaagatg ctctgttttg 240

gagttagtcc tgangtanct acgtttcctt gtctcgttaa agcttgtgtt gctttgaaca 300

attttaaagg gattgacttt ctttctgata cggtttcttc tcttgggatg gattgtnatg 360

agtttgtggc gagttctttg atnaaagctt ancttganta tggaaagatc natgtgcnga 420

ntacattgtt tgnganantt ctcacanana 450

<210> 16522
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-H12

<400> 16522

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tagnncgagc nactgcgacg agcttcacaa cgcttcgagc tcgtacgtca gcgattatcc 120

cgtcttctac acgtaatctg agatctaaac cgagattttc ttcatcttca tctctcagag 180

cttctctttc gaatggcttt ctttcgccgt ataccggagg aagcatctct agtgacttat 240

gcggcgctaa gcttcgtgcg gaatcgctta atccgttaaa tttttccagt tccaagccta 300

aacgcggagt tgtcactatg gntatacctt tctcaaaggg aagtgcacac gaacaacctc 360

ctcctgattt ggcatcatat ttgttcaana accgaattgt atatttggga atgtctctcg 420

tancttcagt tactgagttg atacttgcgg agtttcttta ccttcagtat gaagacgang 480

aanagcctaa tnacctttac ataaactcga c 511

<210> 16523
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-H3

<400> 16523

ntnnnnncat aagagcgtcc aactgatgtt ccagacgctg ggtttgctct gtgaccttct 60

ttggtctgat cctagtaaag atgtcaaagg ctgggggatg aatgatcgtg gtgtctccta 120

cacttttggt gctgacaaag ttgctgagtt tttaataaag aatgatatgg atttaagtct 180

gtcgtgccca ccaagttgta naggatgggt atgagttctt tgctgaatag acaagcttgt 240

gactatgttt tctgctccaa aactactgtg ggtgaaattt gacaaatgcc nggtgcattg 300

atgagtgtcn acgaaaaagt ttaaatgttg ctccttccaa aatctaaanc ctgtngatnt 360

gangtccccg gtctttngaa gaagaaaaaa tnctcct 398

<210> 16524
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-H5

<400> 16524

gcncgggtcn acccacgcnt ccgctgggag tcagcanttn ntgttntcna ctgntgtccn 60

ccatcnggac antanncatn ttgccannnn nnntgagctc aaggcttata tcatacaagt 120

tgctggttgt ctagcaaagc tgatcaggac cagctcgtat cttagggaca taagttttgt 180

taatgacttg tgtcgccacc tgaggaaaag ctttcaggcg acagctagat caattggaga 240

tgaggaactc aacttgaacg tgatgattca aaactctatt gaagattgtc tgcgggagat 300

agccaaagga attgttaata cacagcccct gttcgatatg atggctgttt cagtcgaggg 360

tcttccttct tcaggaattg tttcacgcgc agccgttgga tcactggttg atacttgcac 420

atgcaatgtc ttcagcatta acgccatcct atncgttcac aacaaggtct tccc 474

<210> 16525
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-H7

<400> 16525

nncntnnncn gncgcgtgng gggntgtttt ctttcagact annntangnc cnngtcagct 60

cnnnncaagc gtggttagcc tgtggggaaa attgcgaacc agaagtagca ggtgaggtcg 120

gtcagaaaca gatggttctc gctacctcca cgaagtagca ggggcttact tttcctgacg 180

atgaaaccca aatcctattg ttgttaatat caaattgaat aatcaaacca agatggtgaa 240

tttgttctta tctgaaccaa agtggaacga tgatgcccag aaaagtagta acatcaatgt 300

tattttgcct ctgttaaaca aattaggctc tcaaattcaa tcattggtga ctcatggagc 360

tcgatcaaga agctaggctt tgggctttgt aagtgctctt tccactattt ctatatcctc 420

ctancaagca acttaatatc ctcaatgaag t 451

<210> 16526
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-A1

<400> 16526

cttcgactcc atatctgagg tttctgacgt ctgattagaa aatgtctcga gctgagtcat 60

cttgggagag gctggtgaat gctgctttac ggagagatag aacaggagga gttgctggtg 120

gtaatcaaag cagtattgtt ggttatgtcc cttcctcact atccaacaat agggacatcg 180

atgcaattct tagagctgcc gatgagattc aggatgagga tcccaacatt gcaagaatct 240

tatgtgaagc atggttactc acttgcacaa aatctcgatc ctaatagtga aggcagaggt 300

gttttacagt tcaaaactgg attgatgtct gttattaagc aaaaattaca aaaagagagg 360

ttgggaccat agacagaagt cagggatatt cntcgactac aagaatttta canggctata 420

cnnagnaaag aacaatgttt ncnctg 446

<210> 16527
<211> 525
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-A10

<400> 16527

nnngnnnnnn aactggtttt ctggccgccc cgngtccgga aaaaccgggt cgacccacgc 60

gtccgtcttc actcgacttg tatctatcat ccatggcttc cgagaatcct ttccgaagca 120

tattgaaggc gttagagaag cctgatggtg gtgaattcgg taactactac agcttacctg 180

cnttgaacga tcccaggatc gataaactac cttattccat taggatactt cttgaatcgg 240

ccatacgtaa ctgtgatgag ttccaagtta agagcaaaga tgttgagaag attcttgatt 300

gggagaatac ttctcccaag caggttgaga ttccgttcaa gcctgctcgg gttctcttca 360

aggactttac tggtgttcct gctgttgttg atcttgcttg catganaana tgncatgaat 420

aaancncggg tggngaattc cnaataaaaa ttaaaccccc tngggccccn ggttaattnt 480

tgggcaaatg gattaacncc ngttcaaggg ggggttgttg ncaag 525

<210> 16528
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-018-Q1-E1-A12

<400> 16528

ttctccactt cttcttcttc gtttcgcttc ttcaacgtct ctccttgttc gacagttcta 60

aattcaccat gaggaagacg gtgaagcgag aatcggaagc caccggcggg aaaagagaag 120

ccgacgacga gccggagaag ttgaggtctg tgaagaaaga gaaacagaga aaaaccgaag 180

ctgactccgt acgacccgac gagcctcctc cgcctcagga ggaagaacaa ggaatatctg 240

atcggagaat tctcagatcc aagtatctct ctcttcaaaa cgaaatcaac gattgtaaag 300

atgatttgat gaagattgat tctgacaaat tctccagaat tattaatgca gttgaaaact 360

tgcaccaaca agttcggaag cctaaggaac aaattgcaga ccagaaggac ttctggatat 420

aaca 424

<210> 16529
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-A3

<400> 16529

gnnnnnngaa cggttagctn nccgtgntcg cagaagtcca naggtcgacc cacncgtccg 60

cttcatttcc gtcttttccg ctaggtttcc gtctctgttt tttcttgcat tttccccaga 120

attccttcac attctctcct tttcctcttt ttaattcctc accacctcaa attcttcatn 180

aacaaatcca cttctgcatg gttgggagaa tctgttagag aatttttgtt gttgttgggt 240

tcagatttgg aaaatttcct ttttttcgag tttcttctga attattcatc gtggagattc 300

tcggatcggg aagggctgcg agaggtggtt ttcacggcgg ggatagattc atcttctgtc 360

ttctcctgag ggggtagccg aggctccggc ctcggcggtt tttaaacccc tacctttaca 420

aattctggga aattagaaaa aaaaaggttt gatttttcag ttttgctctg ttcttctctc 480

gaaagttttt ggtttgtccn a 501

<210> 16530
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-018-Q1-E1-A5

<400> 16530

tatcacaatc ataaccacaa aaacaaacac tatgggacac ctcaaaagtc tcttcacaat 60

tcttttccta atagctatgt cttcaaccgt aacatttgcc ggtaaaatac ccgcgatcat 120

cgtgtttggc gactcttccg ttgatgccgg gaacaacaac tatatcccaa ctgttgctag 180

aagcaacttt gagccatatg gacgggactt tgttggtgga aagccgaccg gacggttttg 240

taacggaaag attgcgacgg attttatgtc cgaagcctta gggcttaaac caatcattcc 300

ggcgtacttg gatccttctt ataacatttc ggattttgca acaggtgtta cctttgcttc 360

tgctgccact ggctatgaca acgccacttc tgatgttctg tcggtactac ctctatggaa 420

acaactcgaa tactaca 437

<210> 16531
<211> 74
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-A6

<400> 16531

ttatgatcgt cactctgttc ttcatntctc tgctgctaat ggtcagatag agattttgtc 60

antgcttttg gaac 74

<210> 16532
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-A7

<400> 16532

cagacatttg aggacgcaga tgtggatcgg gatggaaaga ttgataagac agaatggagc 60

aatttcgtta tcaaaaaccc atctttgctt aaaatcatga ctcttccgta tctcagggat 120

ataacgacga catttccgag tttcgtattt aactcggagg tggacgagat tgcgacgtga 180

aagagacaag acaagctggt ttatagagac caagtcgtag gctggaccaa gaataaaaag 240

aagattgatt ccaacaatgt tatatagcag gatcgaagct ctatttcctt tggaattttt 300

agtctattgg atttcaattt catgtattgc gattactttt ggctctcttt ctttaacagt 360

tttgaatact caagtttgta gttctacgaa aagattaata taaaaccaca attttctgan 420

taaaa 425

<210> 16533
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-A9

<400> 16533

aaactctctc ggggggtcgc ttcttctgca ttttctgctt cccaatggct tccagaattg 60

ctgattctct cttcgccttc acgggcccac agcaatgtct tcctagggtt cctaagcttg 120

ctgcttcttc tgctcgtgtt tctcctggtg tatatgctgt gaagccgatt gatcttctgt 180

taaaaggacg aactcatcga agtagaagat gtgtagctcc tgtgaaaagg agaattggat 240

gtatcaaagc ggtggctgct ccagttgcac cgccttcagc tgacagtgca gaagacaagg 300

aacagttagc agaaactatg gattcaagac aaattggaga aaatcttcct gaagaaatgt 360

cancntaaaa gatatcatng gatacacttt ccaaaagaag gtgttttgag aattgatgat 420

ctgaaaacct ttgaaatcng tggttgaa 448

<210> 16534
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-018-Q1-E1-B1

<400> 16534

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taaatcagct gagcatcacc gggaaatcgc cggtccttta gccggaccga gcagtggtat 120

taaagccgga gtatttagtc tctttaccgt tcttggtatc ccattggcca ttacttacag 180

tattccattt gcactagcgt ccattttctc aaccaattcc ggtgccggcc aaggactttc 240

attaggcgtt ttaaatatag cgatttgtat accacaaatg atagtatcat tctcaagtgg 300

accattggac gctcaattcg gcggtggaaa cctaccttca tttgtggtcg gagcaattgc 360

cgcggcggtt agtggagtct tagcgttaac cgttttacct tcaccgcctc cggacgcacc 420

aagccatgtc aggggctatg ggattccatt agttaactag tttttacata tatatgaatt 480

tccatcctaa tacagtattg ttgt 504

<210> 16535
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-G4

<400> 16535

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aacgacaatg gcccacacgt tggcaacgtc gtcgtcaccg ctgagcaagc gaccaagatt 120

aacgagactg atggacggtt gccggagaat cggcagaccg gtgttgtctc tgacaccgga 180

agtggtagcg agagaggaga gcaaggggtt ggagagtcgg cagttgctgt ggcggtgccg 240

gtggaggaga gcggatcgat ttcggtggga gagctacctg ctccccgatc ttcctctgct 300

agagttccgt ttactaatct aagccaaatt gatgcgggat cttgctcttg ctcgcacact 360

ccaagaacag gagcgggcgt atatgatgtt gaccatga 398

<210> 16536
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-E12

<400> 16536

ttttcgattt taccttacgc agaaaggttc gttgaaaccc tagattcgtt ctcagttttc 60

gtgttggcta atggcgagcg cggcacgggg agagagcagc aatccatacg gcggcggatt 120

gggaaccgga ggaaagttcc ggaagccgac ggctcgtagg tctcagaaaa ctccttatga 180

tcgaccaacg acttctgtga ggaacgctgg acttggtggc ggagatgtca gaggcggcgg 240

ctggttgtca aaattggtgg atccggcgca gagacttatt acttatagtg ctcagaggct 300

cttcgggtcc ttatcccgga aacgcctcgg ctctggtgag acgcctttac aatcgccgga 360

acagcagaag cagcttccag aaagangtgt gaatcaggag acgaaggttg gacacaagga 420

ggactctcta anttgtccat gaaana 446

<210> 16537
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-E2

<400> 16537

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agttttggtt aagtgctttg ttatcaaggt gaaaatcgat ttgaagatgg cgagcgaaag 120

tcctgatgtt gctgttgtag ctccggtggt ggagaatggc ggcgctgagt cctctaatgg 180

taaagaggaa caattggaat ctgagctttc gaagaagctt gagattgcag aagatggtca 240

agaggagaac gatggagaag aaggaagcaa agctgaagac ttcaacgaaa gaagaagaag 300

aagaaaaaat aaaaagcaaa gaagaaagaa gggaactccc tcaacangac tgattcaacc 360

ttcaattccc tgtcgnttga agctcctccc atcaaggaga antt 404

<210> 16538
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-E3

<400> 16538

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ggataccaac agagcatttg acgaggataa acgttgtcga gcatgnacgt ttcctatctg 120

tgatgatctt atttacagtt gcatgcaatg tgattttatc ctccatcaaa catgtgcaca 180

tcttcctccg aggaaacaac atgcgacaca tcctcatccc cttcttctac tggtggatga 240

ggaacatgaa gattattttc aatgcactgc ttgtaagcgt gaaagcaatg gttttgcgta 300

cacatgttgt gctacggatt gcaacttcac attagaccgt atcttgcgcc ttccaatagc 360

ctgagtcatt gnttcatccg gtttcatccg caatcccaag ttaattaaan aacatgaaat 420

ccacnagcgc aaaggagntc ctgttccaan t 451

<210> 16539
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-E7

<400> 16539

tnnnnggttc nnnnggccnn aaangtcngn aaatccnggg tcnacccacg cntccggcan 60

ttantggtca aaccctcttc tatgatcttt angggaangt gtgaggcaan tttctganac 120

anggctgaag tctgcaaatt cttccttcgc atagtcctag agaaacctct ttgttcctct 180

ctttcatatc ttgttcttat gggtgctggt tgaagaaaga tacatcaatt tcttttcttt 240

ttcagtttac aaatgtcgtt tccttgagtc tgaacccctg agtgagatgt tgtgagcata 300

gggtccttcc tattagccaa aacagtcttt cttgttggtt ccttcgcgtc tttgagttct 360

cagtatgtgt tttcctcttc tcttgctctc tttcttttgc ctaaatggtc aaccccgttt 420

atgttcgaag taaataacgg tcagtctacc caagcctgga gaatcattga ttttactgcc 480

ttggtgtcaa gtactcctac naac 504

<210> 16540
<211> 138
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-E9

<400> 16540

antcctttgc ttcacctgtt cctctcgcca natctcgggc gtcttctctg ggcaatccgg 60

tcccgtcctc tggtcgccgc nttttcctcc gttttccgtg gnggccttgt gtctgtcaaa 120

ngtctctcga ccaagcna 138

<210> 16541
<211> 505
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-F1

<400> 16541

naccggtccg gnantccgga ncgacccacn cgtccggaaa acttcctcac gccatggaat 60

cactgactgg angggctttn aaanactcca tacanattnt ncccantttt ccanatatgg 120

agaaggctta ttctaagctc aagactctta gttatgaggt ggttgttgat gttgtacctg 180

aactaaaatg gaatcctgag gatgggtata aaaatatgaa ggtcgttgta naactaggcg 240

atgagataga tgcaaaaaaa gcttgtgaaa gacaactaag acagaaatac aagtctcttg 300

gtgcgttgaa gattgtaacc gagcgagggc tacaggtggg agatctaaca nttgttgata 360

tttctgctac aactatagat gaggacgggt caaccgggtc aagccgattc cagattcctg 420

aanagcaaaa gttttcactt tngacactgg aanaanggga atanattact tccctggatt 480

cccttgatgc caannnatag ggant 505

<210> 16542
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-F10

<400> 16542

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nggaagaagc ctccgacgtc ctcagtcntc tanatgcatc atagtgaccg aaaccacacc 120

atgtnggnaa gtctcccaca gttcagcgtc gttctgcgaa ctatcagcct tctcgttggg 180

accatcacca tctcctctcg gtcgaaaata aatttgcgaa agataaaagg gtacgagaga 240

gagatttgtt gaaggaaaaa gtgagaaaga tgctcaatga tgagcaaaag acttatcttg 300

accaattgga gttcattgac gatctacaaa aactcggggt ttcttancat tttgaancgg 360

aaatcgacaa cattttaaca tcttcttata aaanagatag aacaaacatc caggangagt 420

gacctacatg ccanngcact cgaatttcga ctt 453

<210> 16543

<211> 120
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-F12

<400> 16543

cccagctnga cctttatcag gttccaaaag ngtggattaa gtggggnaaa cccctgtttc 60

anaaggctta tgaccttcac ctaataaatt atctacaaac taatatccac tttnagcgca 120

<210> 16544
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-F3

<400> 16544

ctannngncc ngaatcnggn acgnccaccg tccggnaaga ttgggatcac annnagaanc 60

anagcantca natacttgaa agtctcttta ntgacttang tgtcannnnt ttcnctctct 120

taactctctc aaatctttta gagagaaaaa actttgaatc ttgttcatat cttttgctaa 180

tccgattaac atcggatctc tttagatttc gttttatgtt ttagctttct gactattttt 240

cagatctatc tcaaacttct tgtcggtttt tcttctatac tttgtttcga tttgtagttt 300

ttttgtaaag ccttttgcct gttcttcaaa tcaacacttc tatgttgttg aagtgttaaa 360

tcattgtggt ttgatgggtc tttgttagct gtgtacttga ttcttcgtcc aattgttggt 420

aaatcctcgc ttgcccatat gggattaaat taagcgattg tcacttggtc gtttgattca 480

aat 483

<210> 16545
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-F4

<400> 16545

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tgangctata gatgcagaat ttaccggacc aagatgggga gaagtttcgg cttatagata 120

cagctgggat caggaaaaag tcatctgtgg cttcatcagg cagcactaca gaggccatgt 180

cagtgaatcg tgcatttcga gcaattcgtc gttctgatgt tgttgccctt gtcattgaag 240

ctatggcatg cataacagag caggatctga agattgcaga aagaatagaa agagaaggga 300

aaggatgtct gggttgttgt aaacaaatgg gatacaatac cgaacaaaaa ccaagagact 360

gcagcacatt acgangacga tgttcgggag aaac 394

<210> 16546
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-F7

<400> 16546

tngttcnctn gccntaaang tcngnaantc ccggntcnac ccacncatcc gcnatctctc 60

tctgatcaca acaatcataa ncnatnnnag ganctanacn cnatgaattc anttttanta 120

ngaatccatc aacgccaaac actggtcagc cgacaccgac gtaccccgcc ggtgttggcg 180

gcggcggcgg tggaaggaaa aaaggcgttg gcgtgaggac gtggttggta cttaactcgt 240

cagggcaatc ggagccgaag gaagaaggga aacactccat catgcggcga acgggattac 300

cggcgcgtga tcttaggatt ctcgatccac tgttgtcgta tccatctact gttttaggta 360

gagagagagc gattgtcatc aatttggagc atatcaaggc aatcatcact gctcaagaag 420

ttttgttgct taattccaaa ggatccttcg gtctcacctt taattgatga agttgcaaaa 480

ggcgggattc ccctgtcacc atcaac 506

<210> 16547
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-F8

<400> 16547

nnncnnnnnn nggagaccat tcttggaaga aaagatgctt gaggtattac caacgaggag 60

ttgagggtga tcaggagaga naccttctgg ctggatgttg ggcaccttat ctcgagcgtg 120

cggttacatt gaaaccgtgt tacgatggag gcattgatgg tggcnaggtg gcanctaaaa 180

tactgcagga cacagccatg gggaagaagc gttccaaact caatcttaag cggagcgagg 240

agattgcggg atgcaataat attaggcttc cagctacaga gagctcctgn gaagagatct 300

ttcagttcca agaatggtat caagtcgctg gaaacgaagc tgggattcct tcggttgatc 360

agactcataa accctccaag tttgtaggaa tgctttgaaa att 403

<210> 16548
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-G1

<400> 16548

nangannann gnnnncnctn nnntcacgac cacggccgct ctgaagaaga agactctctc 60

cgtctcctcc cttctcctcc tccgtctaag agacaaggca tccccagacg ccatgatctc 120

tctcactccc tcgttgtttc tgaacaagac ggttgttcct ggatgttcca cacgcctctc 180

tctgcgccag cctagaacta taattactcc tcctgcttcc ttgagagtct tttcctctct 240

cggatctaac caaggatncc accggcagcg ttttgattga gaacactgcc acttcatcct 300

cctctctcga gaactccgcc gccgacattg ttcccaaatc caacgtatct ggtggagttc 360

angatgtcta cggcgaagga tgccgccaac gaaggacatg ctat 404

<210> 16549
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-G11

<400> 16549

cancggccgt actatgagag attcaccgtg aantcgaata ttaagtgaga gaagctccga 60

ttgatttcac tttctgccgc caatttttgt tttttcttcg gtgagacnan gaanatncca 120

tgggtcgacc tcccagtnnt ggcggtccgg cgtttcgatt tatcctgcct gaggtaacgg 180

agatggangc acttttgcta cagcataata catcaatgcc aggtcgacat attcttgaag 240

ctcttgctga taagtttagt gaatcacctg agcggaaggg gaaagttgtt gtgcagttca 300

agcaaatctg gaactggttt cncnataggc gatatgcttt acgagcatng ggaaacaaag 360

ctcctgggaa gctaaatgtn tcgtccatgc cgcgtatgga tttaccanat cagatgacaa 420

ntgtcattca accnttancn gttccta 447

<210> 16550
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-G12

<400> 16550

nngggnnnga atggttgnat ggcncgcctg gcctnaatcc gggaacnccn acgcgtccgc 60

acngantcag canctctttg aactactctt cgacantggc cgaacgtggt ggagaacgtg 120

gtgttgagcg tggtggagaa cgtggtgatt tcggacgagg attcngaggc cgtggaggtc 180

gtggagatcg tggagggcgt ggacgtggag gccgtggtgg tcgtcgtgga gggcgtgcca 240

gtgaagaaga gaaatgggtt ccagtgacca agcttggtcg tctcgtggcg gctggtcata 300

tcaagcanat agagcagatc tatcttcatt cactcccggt taaggagtac cagatcattg 360

atatgctcat cggtccaaca ttgaaggatg aggtaatgaa aatcatgccg gttcanaaac 420

agaccagggc tggtcaaang actagattca aggcctttgt tgtccttgga gatggtaatg 480

gtcatgttgg gttgggaatg aaatgcnctn a 511

<210> 16551
<211> 89
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-G2

<400> 16551

ttanggaatt gacatctcnt gtccatgaag ganattcaag tttccagttg acagtgttga 60

gctctatgct gacaaggtta acancagat 89

<210> 16552
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-E11

<400> 16552

cgnncggtaa aacccacgct tccccngnan atggntttgg tacatnncaa tttcagcacc 60

attgttgcag ctgtncgtga aggcatgtcc atctataaca ncatgaaggc cttcatcang 120

tacatgatct cntccaacat cggcgaggtt gcatcnatat ttttgacanc tgctcttggt 180

atcccaanan gcatgatccc ggttcagctt ctgtgggtaa atctcgtaac agacggtcct 240

ccagctactg ctttggggtt caaccccccc gacananata ttatgaaaaa gcctcctcgt 300

aagagcgatg actcgcttnt cactgcctgg atcctcttcc gctatatggt gattggtctg 360

tacgtgggag tagcaacggt gggagtattc atcatatggt acacacacag tatcttcatg 420

ggcataggct tgagccaaga cggtcacaac cttgtganct antcanagct cg 472

<210> 16553
<211> 122
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-C11

<400> 16553

tgaagctggg ntaagcatgc gcttcatggt catgcgncgt atctgagatt gcnggcanat 60

ggtcacaatc tgcaaagggt tgtatcttct acgntgtgga atcgggtttn agtttgggtn 120

ca 122

<210> 16554
<211> 259
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-C2

<400> 16554

tgannancgn ggccttnnga ttggttacct gttggtttta atgttttggt caggagtaat 60

attttgatag tgagaagact aaaattaatc atttagttat atgttttttt ggttgttaaa 120

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180

aaaaaaaaaa aaaaaaaaaa aaaagggcgg ccncccaaaa ggatccaanc ttacntaccc 240

ntgnatgcaa cntcaaanc 259

<210> 16555
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-C5

<400> 16555

caaggaacct gcacccccta nagtcgttca gcatcatgat ttctcttcac agccaaatca 60

cttncgcacc aaaatactca agcagtatcc gaggttcata aaccactgcn tcaagatatt 120

ccacctgcta attttgagaa gcatcagaaa tctgagactg ccagcgtgga gactagaagt 180

gatggtcaga agatttctag tcattcaaat gcattccatg aagatcaaaa tacagtgagc 240

tcagagtgtg actggagtga acacacttgt cccaatggga ataaatatta cttccattgc 300

atcacttgcg aaagcacgtg ggagaaaccg gacgaatact ccatgtatga aagatggttg 360

gaaagagcaa aacaaggnta cangatgana aaattaaatc ccccccgttt aaacaatgag 420

agccaagaag caatcnaaaa acagcgaggc 450

<210> 16556
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-C6

<400> 16556

gnnncncgtt annennngtan ntncncannt gannnnaana gaaataatgt ctgaaaaggt 60

gggagcgatg ggtggtaaca agggtggagc attcgacgat ggtgtttttg atggtgtgaa 120

gaaagtaatt gttggaaaag acttcaacaa tgtaacttat atcaaggttg aatacgaaaa 180

ggacggaaaa ttcgaaattc gtgaacacgg gactaatcgc gggcagctaa aagagttttc 240

aagtggatta tccgaatgaa tatatcacag ccgttggtgg aagctacgac actgttttcg 300

gttacgggat cagcgttgat caagtcatta ctcttcaaaa cctcttatgg gaagaaactc 360

tccaatcctt ggtcacacga cattactaag ggaatccagc ctgggaaaag aatcatgctc 420

<210> 16557
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-C7

<400> 16557

nactgagcgc ataacatttt tgagacaaga gactctctct ctctctcttc tctctttctc 60

tcccccnctc tccggcgatg gttgttgcta tggaccaacg caccaatgtg aacggagatc 120

ccggcgccgg agaccggaag aaagaagaaa ggtttgatcc gagtgcacaa ccaccgttca 180

agatcggaga tataagggcg gcgattccta agcactgttg ggttaagagt cctttgagat 240

caatgagtta cgtcgtcaga gacattatcg ccgtcgcggc tttggccatc gctgccgtgt 300

atgttgatag ctggttcctt tggcctcttt attgggccgc ccaaaggaac acttttctgg 360

gccatctttg ttctcggcca cgactgtgga catgggaagt ttctcagaca ttcctctact 420

gaatantgtg gttggncaca atccctcaat cc 452

<210> 16558
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-C8

<400> 16558

gnnncnncnc nngnnncntg atctccagcc taaggaaggt ctcgcgctag tcaatggcac 60

ggcggttgga tctggaatgg cgtcaatggt gttattcgaa acgaatgttc tctctgtttt 120

ggctgagatt ttgtcggcgg ttttcgcaga ggtgatgagt ggtaagcctg agttcaccga 180

tcatctcact cacagactta aacatcatcc cggtcaaatc gaagcggcgg cgataatgga 240

gcatatcctc gacggaagct cgtacatgaa attagctcag aagcttcacg aagatggatc 300

cgttacagaa acctaaacaa agatcgttac gcctcttcgt acttctcctc aatgggttaa 360

ggtcctcaaa atcgaaantg attccgttac gccaacgaaa atc 403

<210> 16559
<211> 52
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-C9

<400> 16559

gtagctcggt gatcggtcct ncagaaagtc ttgggtttta agccaacgaa aa 52

<210> 16560
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-D1

<400> 16560

caaatttcaa gtttatttca ttcaatttcg atccgantaa ccatggantg tanatcattg 60

gntnngacga ttatatctgc ggaggatctc aaagacgttc aattgatcgg taaacaagac 120

ttgtacgccg tcgtttccat caacggcgac gctaggacga agcagaagac aaaggttgat 180

aaagattgcg gcaccaaacc taaatggaag catcaaatga agctcaccgt cgatgacgca 240

gcggcgcgtg acaatcgtct tactcttgtt ttcgaagatc gtggcggatc gtcccatcgc 300

tggtgataaa cctgtccgtg aaggttaacg ttcccggtga aaggagcctt tgggttaaga 360

atnaaaggtg acnaaggaga aaaacnggtt accttacgcc nttnaagggt nccctaaacg 420

ggnaaaggcg aaaagggttt tccnccaaaa ttccccngtt caaaattt 468

<210> 16561
<211> 93
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-D11

<400> 16561

tttgttcant tctgattcga ttgancgtgc ttggaagatt ctgggggaaa ttcccgggga 60

aagcgactgg tgcttntagg ncacagccaa ggt 93

<210> 16562
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-D12

<400> 16562

tgaaacctta tgttctctgc gaaacattct cttatttcat tttctttctc taaagttttt 60

atttctctga caaggaagat atccctttag gtggattctt gtttaaattt aaaaatcctc 120

angaagaaga agaagaagaa gaagatagtc aaatgaaaat acattcttct gatcattcat 180

ggcttttact agccgttctc gtgattctcc tctccttctc tggagctctc tcaagcgatg 240

acaaagagaa gaagacgaaa tcggtcgata aaaagaaaga agtaacttat gatggaacgt 300

ctttgatcat caatggaaat agagaactcc tttactctgg ctccatacat taccctcgta 360

gcactcctga aatgtggcca aacatcatca agagagcgaa acaaggcggt ttgaacacga 420

ttcagacata cgtttttgg gaacgttcat g 451

<210> 16563
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-D2

<400> 16563

cnncnnnnnn nnnnnnngaa agccgcgggc gccgaaaccg ccgcgggaag attgtgacga 60

cggtactgat aagagcaata ccggaaacag tttcttcgat atatatggac ccgaagcgaa 120

agcagaactc gatttcaaaa gccctgaaac aacattgaac ttacaagatg ttcaaggact 180

tgtgacatgg gttcttgcag aaggttttat gccttcatgg gtatttatta agaacaagcc 240

tctcattcca aaggttgtac tgctctacct tcctggattg gatgcagctt tatacttatc 300

acattctaaa aactctgtcn agtttgaaat catgtttgtg gnaatcctaa gggngcttta 360

acctttgagc tgtgtatttg atgagatgag gacaatcnat 400

<210> 16564
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-D3

<400> 16564

tcnnngaacn cccacgcgtc cncgnaangc ntggnacaac aaatcttaaa cnttttactt 60

tgtnctgcac tactcaacct caatggccgc ctcaacantg tgnctctcct cccctgcctt 120

cgccggtaag gccgtcaagc tttccccccgc ggcatctgaa gtccttggaa gcggccgtgt 180

gacaatgagg aagactgttg ccaagccaaa gggcccatca ggcagcccat ggtacggatc 240

tgaccgtgtc aagtacttgg gtccattctc tggcgaatca ccgagctacc ttaccggaga 300

gttccccgga gaactacgga tggggacaac gccgggactt tcaagctgaa ccccgaagac 360

atttcccaag ggaaccgtga actaanaaat ttatccaaca agcaaggtng gggncaatgc 420

tccgggaacc cctaaaggct tgcgntcntc ccctggaagc cnttttgggg ctaanaaaaa 480

ccngngntcc aagttnccgg aaaaagnccg g 511

<210> 16565
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-D4

<400> 16565

nnanggnnnn nnnnnntgat gatgttccgt gggagtttca ctgggagtaa acgatgataa 60

gtctggncct ttctcttccg atgattcttt tggttcttct ggagttgcag gatctggttt 120

acctggtgga gaggggaaat ggccggagga gcctaagaga tggaatataa agcgaggaag 180

aggaaaaagt tgtgtttgat actgggtggt gaagtaggtc aagggattga gactaagtcg 240

cgagaggagg ggtaatgaat gggaaggaga ctaagagatg ggatattaan ganggaaaaa 300

ggagaaagtt gtgtttggtg gccgangaaa tgaagtggat ggggttttgg aatcaagggg 360

aaangtgaaa tctaatgaat gggatgttgt caaaancatg ggaat 405

<210> 16566
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-D5

<400> 16566

cttgcangag gttgaggcan ttgacgaana acgagagtgt gangaagatg gtatgtcana 60

atgcgtgggg aaaagagata actggaacac tggagattat gactaagaag ctaagatggg 120

gtcggttagc tagagagctc accactcttg aagctgtgtg ttggcgtaaa tttactgttg 180

gagggattgt acaaccttcc cgctgcaatt tcagcgcgtg tgctgttggg aaccggcttg 240

tgctatttgg tggggaaggg gttaacatgc agccattggg atgatacttt tgttctcaat 300

cttgatgcag agtgtcctga gtggcagcgt gtgagggtga cgtcgtcgcc tcaaggacgt 360

tggggacaca cactctcgtg tctcaacggg tccttggttg gtagtccttt ggaagggtgt 420

gaaanacaag ggattgctta atgatttatt 450

<210> 16567
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-D8

<400> 16567

nnnnngnnnn ncnatgggtg cggagctctc cacggcattt cgggtggaga acgatatcgg 60

anggtgatgg tgtctctatc tttggaggaa gtcatgtttg ggttgaccat tgttcgttct 120

ctaactgtga agatggactt attgatgcta tcatgggctc gacggctatc actttgtcta 180

acaatcatat gacacatcat gataaggtca tgttgcttgg tcatagtgat acttacagtc 240

gtgacaagaa tatgcaagtt accattgctt ttaaccattt tgggtgaagg ccttgtccaa 300

agaatgccca aggtgttaga catgggatac tccatgtggt gaacaatgac tacacacatt 360

tgggaagatg ttatgccnat tggtggaaat tccna 395

<210> 16568
<211> 326
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-D9

<400> 16568

ggggtattta aaanatggga catttctcat cgatgttcan tggnttanct cgatcatttt 60

ctataaagaa agtgaagaac aacantggaa actgcgacgc anangaagct gctgatnana 120

tggcaagcga ggctaanaaa atngaattga ttctgaaatc ctctggttat gttaatgtac 180

aacggatcta ataatttagc ctctcttttc accantcgcg gcgataaagg cgttaatcaa 240

ggattgtgca ctccgttggg aaggatttgg gtgccaatga anacatatct tctgcnggaa 300

aatcgatggg acaccggtcc atgggg 326

<210> 16569
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-C1

<400> 16569

aaangtggtg aacttgtatt tggangtgtt gatccaaatc atttcaangg caaacataca 60

tatgttcctg tgaccaaaag ggctactggc agtttgacat gggtgatgtt cttattggcg 120

gtgcacccac tgggttctgt gaaagtggct gttctgcgat agcagattct ggtacatctt 180

tgcttgccgg tccaacgact ataatcacca tgataaacca tgctattgga gcagctggag 240

ttgttagcca gcagtgcaag actgttgtgg atcaatacgg gcagaccant ttggattact 300

tttgtccgaa aaccaaccga agaaaatcct gctcncaaaa ttgggncngt gtacttttga 360

tggtaacccg ttggtgtcaa ttatgggcaa tnaatccgtt ggtggacaaa ggaaaacncc 420

aaattgtcca aaggggnttg gaaatccgcc ttttccgca 459

<210> 16570
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-017-Q1-E1-E1

<400> 16570

aanncncacn cgtccncgga attgttttng nnnannagtc tctcatctga actcaganna 60

tctccnagtt cntatatctt ctccgtttga ncaatggcgt tggtcatgca cacatacaag 120

ggaaacaaag gtgccaataa ggcacttatt gctgcagagt atgcgggtgt gaagatcgag 180

gagtccgcag actttcagat gggcgtcact aacaagtcac ctgagttcct taagatgaac 240

cctattggaa aggttcctgt gcttgagact cctgaaggtc ccatatttga gagcaatgcc 300

attgcccgat atgtnaagcc gtaagaatgg tgacaactct ttgaatgggt tctcccttaa 360

tgaatacgcc tcacattgag caatggatng aatttctcct caantgggag aattgatggc 420

tnacaatgtt tgaagttggg tttgcctcca aagaaatggg gctatgcccc ccttctcctg 480

gccccaanct gnag 494

<210> 16571
<211> 54
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-C5

<400> 16571

cttaagttct cctggaatgg ccaatggatc catcctccct gggaaaancn tttt 54

<210> 16572
<211> 700
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-C6

<400> 16572

aaagaagaga aaaataaaaa agtttgtgta aatttttttt gcacactcca cagcctaaac 60

ccaacccaaa atcacaaaaa ccaaaaaaat atataataat gggtggctgt gcgagtagac 120

ccaaggaatc agacatgcaa aacgaagaag gctctgttcc taacaagcct gtctctgaaa 180

acgtagtagc caaggagaac aacacagaaa gcggtgagaa acagaaccag acagtggctg 240

agaccactga aacaacttct gtcgaagcta aggagacatt tccggtcgag ccgaccaagg 300

aaacaactcc tgctgttcaa ccagaggttg cagccgtcga agagtcttct tctgctgatg 360

ctggtgaggc tgcantagtt gcacctgaga aagtggagaa cgctgcaaca gaaaacgctg 420

aagcaaaggt ggaggcggtt gccgtanctg cacccgaaaa ggttgaggtt gcantggaan 480

cgganaaaaa gntgaanctg aacaattaag gntgaggctg aacaattaaa ntgagntgac 540

cattaagggg ngatnaccag aagagaagaa ctgtttcncg tttgtgataa ttaattgtaa 600

attatttgan gttgttgagg ccctggttnt tgcacacaat ggttggttgt gtcttgacca 660

anatctcttn tcataaanaa cattncccaa aaaaaaaaaa 700

<210> 16573
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-016-Q1-E1-D11

<400> 16573

ggaaaaaatg gcaacggtca cgattctctc acccaaatcg attccaaagg tcactgattc 60

caaattcgga gctagggttt ctgatcagat cgtcaatgtc gtaaaatgcg gcaaatccgg 120

ccggagattg aagttagcga agctggtctc agcggctgga ttgtcacaga tcgaaccaga 180

catcaacgaa gacccgattg gtcaattcga gactaatagc attgaaatgg aagatttcaa 240

gtatggatat tacgatggag ctcatactta ctatgaagga gaagttcaaa agggaacatt 300

ttggggagca attgctgatg acattgctgc tgtggatcaa actaatgggt ttcaaggttt 360

gatctcttgt atgtttcttc ctgctatagc tcttgggatg tattttgatg ctccgggtga 420

atacttgttc ataagtgcaa cgtt 444

<210> 16574
<211> 95
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-D2

<400> 16574

aanatgaagg actccattaa aggctgtcaa tgggccaaag gctaatgttc gnttatcaaa 60

ncctaaattg gggaagaaga agttacgaan aacaa 95

<210> 16575
<211> 916
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-D3

<400> 16575

nnnnngnaat gtcnacgcct nacgtagccg tccanaattc caaggtccac ccacncgtcc 60

gcaagagatc ntagccaata gacttttgag ctactcgagg catttccatg gcggcgacga 120

tagctgtttt taccggtggt ctgaaagtga aggctggagt tctcgccgtt caaatctcat 180

cgcttcctct ccgccgcgaa ttccctcgtt acttgtcgtc ttcctcgagg aggacagtag 240

cggcaatctc ctcgtctctt cgagtctccg ccgtatataa ccatcagcag cgtaatcgaa 300

gctcttggcc tcgagttgct actttctgta cggcggctcc agatgccggc acgacggttt 360

cagcggatga atcggagaag aagagcgaat ctcagaagga agaggagaat gtgaaggaga 420

cggcgaatct gttagatata aaagtaggac gaattgtgaa agcttggcaa cacgaagaag 480

ctgattctct gtatgttgaa gaaatcgaca tcggtgaagc tgaacccaga atcatctgca 540

attggtctcc gtcaaatatg ttcctccttg attnccctta anggtgcaac aattggtggt 600

gcctgggtaa acctgaaacc cnaaggaatt atgaaaangg ggttaaantc aaggttggga 660

angccttta anccggaatc ctgaacncaa gctcaatgaa aaaatgtttn ancttcctt 720

gnttccaacc aaaaaagggg tccggnttcc ccnggaaaaa aaaaaatttt tgggttttgg 780

gaaaaccaaa anaaaaantt tcccaancaa antttcccg gnaaaccctg gaaccctccc 840

caaaanaaag gggttcaaaa nnnaaanaaa aaantttgg gaaaattggg ggnaaaacca 900

actttttta aaaaaa 916

<210> 16576
<211> 738
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-D7

<400> 16576

gnatcatttt ctcaggctcc aatgtcgctg gacttagctc gttgatcatc gtacaaaaag 60

cttgctcgta gctatcagct ccccggagaa gaagatggtg cggaaacagt ttcaacaggc 120

taaaactgga atagaggcat tgaagtcaat ggatgctaac aactacttga agaaggttgg 180

attagggcgt gacgatatgt tcttttggaa acaagtggga aaagcattgc tatgcactta 240

cacaatcttt ggtatggctt ggatttacaa tgaaacgtct cctttaggtt ggtggacgct 300

gaagccaaga ccaaaggaag agagagaatt ggctcatttg tatgagcggc gtgagtttcc 360

ttatcctggt gatacagagg ctatggagga ttttgttgca aaggggggaa tgattggtac 420

tgcaattgga ccgaaaggaa ttgttgagtc cgaaggtgag gctgataatt accagaagga 480

aatggagaag aagaatttga taaagaggtc aaaaactgtg gntgaaaatg aggaatgagg 540

ttattactga acttcaagag aaanggnata atcctgaata agggaattca ataagggttt 600

tganaaataa aaaancgtgt ttaattangg gggtacaatt nancaagggt tcacaaccgn 660

aaaannttc gtcanttaaa ctaaaatnca aacgggtnaa ntcttncctg ggaanancct 720

tgccttaagg gggtnana 738

<210> 16577
<211> 829
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-E1

<400> 16577

gnnnnngnaa ctgtntacgc ctncccgtag ccgtccgaaa attccanggt ccacccacnc 60

gtccgcncac gcgtccggaa gatgagccta tccttgagaa ggccctcggg acggagattg 120

agtggtatcc tggaaagtgt ttgacacaga agattctaaa aaagaagcca aagaaaggat 180

ccaaaaacac anagccgatc actaagactg aggactgtga gagtttcttc aacttttca 240

gtccacctca agttcctgac gatgatgagg atcttgatga tgacatggct gatgaactcc 300

aaggacaaat ggagcatgat tatgatatcg gttcaacaat caaagagaaa atcatctcgc 360

atgctgtgtc atggttcact ggtgaagctg ttgaggcaga tgaccttgat attgaggacg 420

acgatgatga gattgatgaa gatgatgatg aagaggacga ngaagatgat gangatgacg 480

agganganga tgatgaagga tgatgacgan gaggaagaag cagttaangg aaagaagagc 540

aaaaagaatc atcaactggg cacaagaaag gctgggaaga atcaaccttc cggaaggtca 600

ancagttaaa aggccacccg gaattttaan canaattgaa naantgaaga aaccttggct 660

tanttatgat gaanaagaaa attgaaaatt tccntttanc ccaggttggg tttccttaaa 720

ttgcaaatcc agggccggtt tataaaaaac aatttttggn gaatggttgc aattaaaaaa 780

aaaaangggt ccttggttgg ttgngccccg antttccttt gaagatcta 829

<210> 16578
<211> 328
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-E2

<400> 16578

tcntttatct tcacaatcng tnantgtcnc gtagctctaa ttaggtaaga actaatggga 60

gtgtcaaagg aaaaaatcag gtgatattag aggagattta atcccanggt taccaganga 120

attaccaatt gagtgtttgg ttagagttcc ttttcagttt cattcttcca tcaaatctgt 180

ttgccnatca tggaaatgcg ttatctccag tcgttctttt atcaaggaac ggataggttt 240

tggtaaagct gaatctcntc tcngccttgt tcaanctctg anttcaacan cgtctcnggc 300

gatgatggaa ggtggtnaga tnagtcag 328

<210> 16579
<211> 736
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-E3

<400> 16579

ttctcaagac aaaaaaagaa aaaatggtgg aagatgaaca atgacgaaga atcattgtta 60

ttgttcatgc attaaccttg ttgttatgtt cctccatggc ctgttacatc gttccttatt 120

accaccatcc tgttttgtct catcccaata gagaaatctt cagtcaccgt caccaccacc 180

accaccgttt ctgcaacaat ctcttgaata gaagaattag tgttcctcga agctccgcta 240

ttagtgacgg tggtgtctcc tacaatactc tagtctccga ggcggtgagg cttttggttc 300

cacaagcaaa ctttgattct tcaaagctta aagttgagtt cttaggagag ttattggaga 360

acaagagtaa cggangaatt attacgccgc ggacttatat tccttcgcat tgtgacttca 420

ctgctaactt aacgttaaca atctcaaacg ttatcaatcc tggattaact anaaaggctg 480

gttcaaagaa aagataatgt tggntgccng aattggaaaa aanggttaat taatnaacct 540

ncgtttaaca taattccant ggttngtttt taaattggta anaantttaa ttgccaggaa 600

tntttnccnn ccnnaacctt aaggtttnca aaaattttcc cccaagggaa attnccccttt 660

ggggnactta aaancctntt ggtncaaggg aaaatccatt ttagntttta aanaanaaac 720

ccnnaaccaa anggaa 736

<210> 16580
<211> 734
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-E4

<400> 16580

atggcaccaa atcgtcatcc tcctccacca aatcaccctc atcctcaacc tccaccgaaa 60

caaccgctgc ctctatctct tcttcttccc cttggcgttg gattcactct ttcgttgcag 120

atttggagct gttttttctg gaaagaatct tggcggtgaa gttcggttgc ttgtgttcgg 180

gaggaaagaa gatgataaaa aaaaaccgga tcggatccgg tccgcggata ctcgtacttt 240

ttcacagact tcaggatccc gaatatccga ggttggcaag atacggatcc agagactgaa 300

atgacggatc cgccggatac ggattcggat tcggatacct caaaaatccc ggatatccgg 360

attcgttaca aggctaataa ccaancattt aatataaaaa cntgtcaata caactaaagt 420

ttttttttcct aacaactaan taattttggg ccttccaaaa tccttaatat aaaaagaata 480

ntcctttaat aaaattgatn tcaaatcact aaaagtctaa acncctaaaa atccttccct 540

tcctaagnaa tgaaantcna aattttaaaa cananangtc aaccaaaaaa nttgnttcca 600

aacgggaaca aaaaaantta gttccccccn aantttttgg gctttttttna aaaccncccn 660

atntttccan taantttttgn aacnnnaaaa cccaacctgg taanaaantt tcaccaaaaa 720

tttttaattg nccc 734

<210> 16581
<211> 263
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-C12

<400> 16581

gnnnnggnag ttcngtttag nncgccngta ccganaccaa aattcgcggg tcnacccacg 60

cgtccggagg gagcagaagg cgataataat atgggccact cttggttatc ttattacagc 120

tacaggactc attttgtatc tgtttcgttg agtgggggat gatatgcctt gtattcaaga 180

gaagagagac acggttgatt tcaacaaagc ttatattgat aactttgaaa aaaaaaaaaa 240

aaaaaaaaaa aaaaaaaggg cgg 263

<210> 16582
<211> 568
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-E5

<400> 16582

gggctttggc tcggattcgt ccgtcttctt tcttcttagc cgagtacttc ggtagattag 60

ttggaacgat tgatgatttt gagttaattg aacgttcggc gtatgagtgg tgatcggata 120

gctagtgttc gtaggctcca tgctcgcgca tcgaactacc taccacctat ccttctcagt 180

taattcacgg gcgatgttac gctcgatgat gagttccggg gcctgtgttt cgtacctaat 240

ttgaaggaat tgttgagttc ggtttacacc catgccggcg gcttctcctt cgtggggaag 300

tcgtgggcac aaacatcggc gcttgttcac ctctcgtcat cgcanttgtt gccttgctcg 360

cattggtgaa tgaattgcgg gttgaaatct cggatgccga aaagttgtcg acggtgactc 420

naantnattc agtcccgcaa agctcatccg tccttcgggc aaaaagataa cgggcaagaa 480

ctcgtccntt tgnccccttc caattgcntt ttnannaagn attttgccgg ggnaanttnc 540

cnttatncna annaaangnc aaccnggg 568

<210> 16583
<211> 842
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-A8

<400> 16583

nntgggnnng nngnaantgt ctacncntnt cgcagccctg taaaggtcca nanntcccgg 60

gtcnacccac gcgtccgcng acgcgtccgc ccacgcgtcc gcgataaagt cccccaactg 120

ttcgacgaaa ttcctcagag gtacaataag atcatccctg acaaaatctc ttacggtata 180

ttgattaagt catactgtga ctctggtacc cctgaaaaag ccattgagat tatgagacag 240

atgcaaggta aaggcatgga agttactacc attgctttca ccaccatttt gagttcattg 300

tataagaaag gtgagctcga ggtagctgat aacttgtgga atgagatggt gaagaaaggc 360

tgtgaattgg ataatgcagc gtataatgtt cgtataatga gtgctcaaaa ggaaagccct 420

gaaagagtta aggagttgat tgaagaaatg agtantatgg gattgaaacc tgatacgatt 480

agctataact atcctatgac tgcgtattgt gagagaagaa tgttggacga agctaagaaa 540

tgtatgaang gacttgaagg taacaactgg tgctccaacg cagctacttt taggacattg 600

ataattccac cttggtanaa ccgaattgtt cnancaaggc tatgcgattc tcaagaagaa 660

tgtttnaagc acaagattcc agatttcaac actttnaaan catttggttt nggaattggg 720

gggnaacaag aaangnaatg cccctaangg gttattaaaa cggtgaaaaa aaaattcccc 780

ccgagtttct gaaagccttg gaaaaanccc ngggggaacc nggcgtttca aaanccngnt 840

tt 842

<210> 16584
<211> 500
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-B11

<400> 16584

ngngngnntt cntttgnacn gccgtacant ccanaanggc cggtccaccc acgcatccgg 60

aaaaagtatt tctccagttt tggaattcgc catggctgtt gatagcagaa tggatctgct 120

aagcgaaaga gctgtgttga tgagagcatc tcttcaaaag agtcaaacca tcaccgataa 180

tgttgtttct atcctcggct ccttcgatag tcgtctgtct gctcttgaaa ccgccatgcg 240

tcctactcag attaggactc atgctataag gaaagctcat gagaatattg ataggactct 300

taaggctgct gaagttantt tgtctcaatt cgatctcctc cgtcaggcan agactaaagt 360

actcaaaggg gccacaataa ggacctggaa agttatccgg gatgcaattg ctcaactcag 420

aaaagaataa nncttaattt atgagcaaca aaagccttta agataatgga tggggttctn 480

aancacncaa atanttncct 500

<210> 16585
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-B12

<400> 16585

gattcttccg gagggcgatc tgccacacca aatgctgtgg accagacgtc tactcccttg 60

gcatcttcac aaccagcagc gattccagat tcgttgacaa ccttatctga atatctgaat 120

catctcagac aagagtttgc tgctaatggt agcaatgcta ataacttgca agattctgaa 180

aattcagtgg gcaatgtgca agattctgct tctactactg gagagagtcg gattccaaga 240

ccatctcatt tggcagaagt gctgcaatca acaaggcaat tgttgatcgg tgaagtanca 300

gattgcttat ctaatctttc gaggcagctc gtggatatgt aaatgtgacc gatccgccaa 360

cccgaaggtt gtgccagtca aacatgcttc aatcaggatc cctcttggan agttaagcat 420

ttcactctga acttgg 436

<210> 16586

<211> 849
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-B2

<400> 16586

cgtccttctg aggctggaag cgatgaccat gacagcattt ctcgcgagac ggcttatcgg 60

taacggatcg agccagattc tcgggacttc gagttctagc tccggtccgt tcatttccgt 120

ttctagggct ttcttctcct cctccactcc gatcaaagct actctctttc ccggtgatgg 180

gatcggtccc gaaatcgctg aatctgtcaa gcaggtgttt actgccgctg atgtggttat 240

tgattgggac gaacagtttg ttggtactga agtagatcct agaaccaata gtttcttgac 300

atgggataat cttcaatctg tgcttaaaaa caaggttggt ttgaaaggac caatggctac 360

tccaattgga aagggtcaac gttccttgaa ccttactcct aagaaagaac tgaatttgta 420

tgccaatgtt aaggccttgt tacaatcctc ccgggtacaa aaacccgtta tgaagaagtt 480

gattcncaat taacaattcn ttaagaacac tggaaaggan aanttcaant tgggccttna 540

aacaaccaaa gttccntcna agggggtgtt aanttgggaa aaattcctta aaaaatttat 600

taancccngt taanggggna aatttttnaa aaaatttnnc ccnaatttaa gnccctttc 660

cctttaaagn ccaaanaaat ccccccgggna aggggaaaaa aaantttttt ggcaaatttc 720

anaaaanncc aaaaantttt tgcccnaaaa aacgggaggg gccctttccc cggnaaannt 780

tttttaaaaa aaatttcccg cnaaaatttn cccggnnaan antttcnaa aaaggttttt 840

ttttanaaa 849

<210> 16587
<211> 640
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-B3

<400> 16587

tagattggcc atcgagagag gagcttcatt gacaaagagt cctatagccg gaagtgaaga 60

aatttccggt gcgtataatg ctaaaggccg tccagatctt gggttggtca tcagggttaa 120

ccatctcaca gagattgacc aagactcgca agtcctctac cgtctctttc atctcgtcat 180

ctctcaatct ctcctctgtc acttcgagct ctcctcggag aatcttctct ttcaagccaa 240

ccagaatgtc ttcctcactt cccgggtctg acccagttgc aaattccccg actttcgtct 300

ctgttcaatc agctggagat gttcgtaaga taaagttctg tcaatggtgt ggaggaccaa 360

ccangcatga aatanctgac ggtgaagaga aattgagagc tattttgcac acaattgcgg 420

caaaaatccc ctatcaagaa tcctaaagaa tnggnttgtt nggnttgccc ttaaaanaan 480

caatgaaagg gaaaaanttt ttaacctttt gcaaaaacgt taacaanttt aaaccctttc 540

aaaaccgggt tttaaagggg nccnccnttc ccnggccngg ggttaanccc aaaaaaaatt 600

ttgggggaaa atccaanctt tgnaanaaag gggnnnccaa 640

<210> 16588
<211> 721
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-B4

<400> 16588

nnnggnnnnn nngnaantgt ctacgccnnn cgtagncgtc cacaattcca aggtccaccc 60

acgcgtccgg gctactcttt tagccactcc tatcttctct cctttagctt cttctccagc 120

aaggaaccgt ctttcttgct ctaagatccg tttcggttcc aaaaatggga aaattctcaa 180

ttctgatggt gcccagaagt tgaatctctc aaaattccgt aaacccgatg gccaaagatt 240

tctacaaatg ggttcttcta aagagatgaa ctttgagaga aaactctcag tccaagctat 300

ggatggtgca ggaacaggaa acacatcaac gatctctcgt aacgtaattg cgataagtca 360

cttgttggta tcacttggga tcattcttgc tgcagactat ttcttgaagc aagcgtttgt 420

agcagcgtct attaagttcc caagtgcttt gtttgggang ttctgtattt ccccggtcct 480

aagatatttg antccgttgg tcccggctgc tgcaaatggg ttgatgaaat tcctcnaacc 540

tgcgtttccg gtttaaccaa agatngnttc cctttgntcc aaggttccnt cccctggtgg 600

tcctcccccc ttcngttaaa anaaattccn ggtgcttcaa ggggtcaaaa accggcaana 660

ttgtacccgg tgggatggtt ggggtcacnt ttgngtnnca ngggtaanaa gctntttgcn 720

t 721

<210> 16589
<211> 254
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-B6

<400> 16589

tnccccctccg ggtgaanctc tccctggtac cnattnaaat ccgggctngt ttccctcaat 60

nactcccccc tcctccggct ttctgaaaca atcctccggg ctaaaatttg tccctccaag 120

ntttttcgcc gtcgcctggt ccttcttcgg ttaacctccc ttcgacgtct ccttccgtcg 180

ccaattcnaa acaagccttc antcaagtca actcttcaat cgangccgga aaaanaacca 240

aaanctaaaa cggc 254

<210> 16590
<211> 651
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-B7

<400> 16590

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tgccagagtt ctctagctcg gtgaagctca agtacgtgaa acttggttac caatatttgg 120

ttaaccattt cttgagtttt cttttgatcc cgatcatggc tattgtcgcc gttgagcttc 180

ttcggatggg tcctgaagag atccttaatg tttggaattc actccagttt gacctagttc 240

aggttctatg ttcttccttc tttgtcatct tcatctccac tgtttacttc atgtccaagc 300

cacgcaccat ctacctcgtt gactattcnt gttacaaagc caactgtcac gtgtcgtgtc 360

ccntcgcaac ttcatgggaa cactctcgtt tgattctcaa aggacaagcc taagaccgtc 420

caagttcaaa tgagaatccc ttgaacgttc cgggctccgg ttaaggagac nttgtcctcc 480

ctccnggnna attccattan aatccctccc caaaaccaaa nccaatgggc cnccggntta 540

gaaanccaag ggctcaaaaa tggggttaac ctttcnangg gccaatgggn cnnatttttt 600

ttcaaagaaa aaaccggggt ccnttaaanc cnaaaangnn ggttngnaaa a 651

<210> 16591
<211> 688
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-B8

<400> 16591

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aattaggtaa taantaatgg gagtgtcaaa gaagaaatca ggtgagatta gaggagattt 120

aatcccaggg ttaccagagg aattagcant tgagtgtttg gttagagttc cttttcagtt 180

tcattcttcc atcaaatctg tttgccgatc atggaaatgc gttatctcca gtcgttcttt 240

tatcaatgaa cggatatgtt ttggtaaagg ctgaatctct tctctgcctt gttcaacctc 300

tgacttcacc accgtctccg gcgatgatgg aaggtggtga gatgagtcag aagaagaaag 360

aggaagaaga aggcgagtct caaatgacgc agcanctgct anaaccgcnt attactggaa 420

cgccacttta cggttaaagc gtttatnacg caaccctggn cacttggnac gattcccaat 480

ccctgaacgg ntccttgttc gggaatcctt gcaatcaggc ccggggaaat tgttttaanc 540

cgcggttgga ttcgaaactt tcaacctgtg caaaantttt ggtccggatt ttccccggna 600

aggancggaa aaaggtnaga ntggcagccn tttgggggga ntttttttcc cggggtccgt 660

tggtcnnaag gtttntcncc gggggntt 688

<210> 16592
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-B9

<400> 16592

nnnnnnngna acttcnnttg nncggccggt accaggccaa aattcgccgg tcnacccacg 60

cgnccggttt gaggtctggc tcaagggttg caccttgtag tgacgatggt gattctgtaa 120

agaattgtaa agatgatgtt gaagagagca agaaagatag tgaggaactg tctttgatac 180

gggaacagct tgctctgatt gagaaccaac agtctagtct cttagactta ctacagaaat 240

tcatgggaac ctcacagagt ggaattcagt ctctggagtc tcgtgtaagc ggtctagana 300

tggcgttgga tgaaatatcg tgcgatctgg cggtttcaaa cgggagagtt cctangaata 360

tantggctgc gcangagaca gttgttccaa actacctggt acagagttcc taaatcccaa 420

attcctggan aaaaacccaa ggagaagaca cggaacaaga acacaactaa tgnaatggct 480

tcctacnaac aagggatcca aaatcaa 507

<210> 16593
<211> 688
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-A7

<400> 16593

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cccacncgtc cgggcatcag agttttgatc ggagaatcta aaagtctcga cttttcgaat 120

tttgttggtc gctttcttaa ggacatgaat ctcgcggtgg ctagttttcg cggcaatttc 180

ggcgtcttgt cgcaatgcag ctcatgttgt agtcttcagt ttcagccttt tgtagctgct 240

acttccagtc tcaattttgg gcaaacagga acatctcgaa ggaagaagga tctgaagctt 300

gaaagagttt tcagaaagag agagactttg gttagagtga cggagacgca aacggaacca 360

gaaggcaatg atgatgagga taataaaaga aggcaaaaga gagctctgca gatgatcctc 420

ctacaaaaat tcctactgag ttgaattcac agtcaacggt tgtgaatgaa accgccnggg 480

caaatgaagg anggaaaaca aaagctcaag ttcaagttcc caaggacngg tgataaaatt 540

tagaaagttt ancaattggg tcccctccnt ncctgggtgg tnnaatccca nttacaaatt 600

gggnccaaat tccaatggan aactccccca aagggaaanc caattggana antccncaan 660

gggggccaaa nttantttgg gnttttttg 688

<210> 16594
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-H10

<400> 16594

nnnnngaaat gttanaaggn nacgccgnac ggaannntgtc cacanantcc cgggtccacc 60

cacgcgtccg aaagggagga tgtccgaaac cacgctttac agtcattaca gaagtgttta 120

ggcggagtag acggaatcaa cctagctcat agcatgtggt ctcaatgctt tgacaaagta 180

atcttcacgg ttttggatga cttacttgag atagctgctg ggtcacagaa agactaccga 240

aacatggaag gcacattgct tctcgcaatc aaacttctct ccaaagtgtt tcttcagcaa 300

ctccaagagc tatctcagtt atcaaccttc tgcaagctat ggctcggtgt tctaactcga 360

atggagaaat acatgaaagt gaaagtaaga ggcaaaaaaa gcgacaagct acaagaatca 420

gtaccaagag cttctcaaaa acatattgct ggtgatgaag acgaaaggct gctanttgca 480

aagaattgct cctggg 496

<210> 16595
<211> 67
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-H2

<400> 16595

atttcctcct gtgancgctg ttcaaatgca acgtctnacg caacattgag attaaacttc 60

aacgagc 67

<210> 16596
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-H4

<400> 16596

nnnnnngaaa atntnnggcc gcctatggtc aaacattcgc gggtcgcacg cgtcnncttc 60

tncagagcac acaagctctg agatcccatc aataaatggc ggtaacagag tcctctgttt 120

atttactcta acaagtcctt taaggtttta ataacccagt ttcatggggg ttacttcctt 180

gtatctagcc ctgttatagc aaggagctcg tgatcatgag tggtacagag ttagatgagc 240

ctggaaagtt aaaacgtgct gtcattgatg cttctgctgg tggtgttgct ggtgcgattt 300

cacgtatggt tacctctccc cttgatgtta tcaagattag atttcaagtt canttggagc 360

ctacaagcta caaggggccc gaaagaatct caactgaaaa cgaaatacaa tgggttgttt 420

ccaacaaaga aagntatcct ttaaaaagga aggttaaccg ggtttccggc gttggaaagn 480

ttcaacctta cntaagggtg g 501

<210> 16597
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-H5

<400> 16597

ngttgaagaa gacgaagaag ataccttcct ctttatcttc tccgatttct caaccttccc 60

gtctgcttgt cgtaaagaaa tggcgccgag tagacgggat ttacagctta ctccggtcac 120

cggaggttct tcttcccaga tcagtgatat ggaagaagtt ggtcttctcg attcgtatca 180

caacgaancg aacgccgatg atattttgac tanaatcgaa gaangaagag atgtttccgg 240

tttaaggaag attcaggtcg gagtcaccgg tatgacttgt gctgcttgtt ctaattccgt 300

tgaagcagct ttgatgaacg ttaatggngt cttcaaagcc tctgttgctt tgttacagaa 360

tcnagccgat gtcgtcttcg ancctaattt agtcaaggaa gaagatatta aagaanctat 420

acaggatgct ggatttgang 440

<210> 16598
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-H6

<400> 16598

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tcnaggaact ttggacgacg acaatggncc cgaagaaagg agtgaaggta gctgctaaga 120

agaagaccgc ggagaaagtt tcaaaccctc tattcgagag gaggcctaag caattcggta 180

ttggtggagc tttacctcct aagaaggatc tctctcgcta catcaaatgg cccaaatcca 240

tccgtcttca aaggcaaaag aggatcctga agcagaggtt gaaggtccct ccagctctta 300

accaattcac caagactctt gacaagaatc ttgctaccaa cctcttcaag gtccttctga 360

agtacaagcc anaagacaaa gctgccaaga aaggagcgtc ctgttaaaga aaggccaaac 420

tgaaacctna aggaaaancc ttctgagtcn aaaaanccaa tngttgtcaa attacggctc 480

aaacaattna cctaactcaa ttaacaagaa 510

<210> 16599
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-H7

<400> 16599

aaaggcgaaa acctcgccaa tccgattacg cgaaaaatca aagaatcttt gtttgatttt 60

tgatttttag gtttttggat atggcgtcga agcggatctt gaaggaattg aaggatctcc 120

agaaggatcc acctacatca tgtagcgcag gtcctgttgc tgaagacatg tttcactggc 180

aggcaacgat aatgggtcct tcagagagtc cttatgctgg aggtgttttc cttgtaacna 240

tccatttccc tccggattac ccattcaaag cctcctaagg tggcctttaa gaccaangtg 300

ttccatccca acattaacaa cagcngtanc aattgcctcg acatctttaa ggagcaatgg 360

agtcctgcgc tcaacaattc caaaggtgct gcnatcnatt tgttccttgn tnancgattc 420

aaa 423

<210> 16600
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-H8

<400> 16600

ttgtgtgagt ctgcataatc atggcgagga agatgcttgt tgatggtgag attgataagg 60

tggcggctga tgaagccaac gcgacgcact atgattttga tttgtttgtc atcggtgccg 120

ggagtggcgg tgttcgtgct gctaggtttt cggctaatca tggcgctaag gttggtattt 180

gtgagcttcc atttcaccct attagctctg aggagattgg aggcgttggt ggaacctgtg 240

ttatccgtgg ttgtgttcct aaaaaagatt ctccgtccta tgggagctac cttacnggtg 300

gtgaaacttn aaggatgcct aaaaaattta tggggtgggn aaattaaatt gagaaaagtc 360

cnaaacttcc acaattggga aaaaaacnct ttttgccaaa annnaanacc ctggattnan 420

aatcctaang nnccggaatt aa 442

<210> 16601
<211> 692
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-A1

<400> 16601

tcgtttcttc attttctctc taggagctag gtgggaaaaa gattcaacct tgtcttagaa 60

aaagaaaacc aaagctaatc tttttctttt gtacctctct ttcaaggatt aacaaaacaa 120

atcgatgaag cccgggtttt agtacctaaa catctctttg tctcgtcttt gaaaaccccc 180

ccaagtagat ccaacatcat tcatatctct ctctctatct ctgcataagc tacggagcga 240

tgtcggcgtg catcaatggc ttatgcagag ccgtgactgt ctctcttctt cttcttcttc 300

tttctttctc tttttcctca gcttgctcca atggaaattg ccagctgctg gattcatgct 360

cctcggntac tgattgtgtc tctggtttan actgtggaga atgtcctgcc gttgggagaa 420

attaacccgt ttgcaacaaa gaaggccaaa gccacaaagt tcaaactttc caattaatca 480

aatgggattt gccctttaa anaannttta caaangggtt gaangaaccc caaaaatggc 540

ccttttaacc aaatggcaaa aatggccacc nanttttttg gccaaannt nttttnaaaa 600

ngggntttaa aatttttaa aaatnccaag gaangnnttn ccnnnttnnc naaanncaan 660

cnttanaaaa aanggggtt tttaaagggg nc 692

<210> 16602
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-A10

<400> 16602

tgttagcctg ccngtaccga aaccaaaatt cncgggttgg gttttagcan tgaagtttgc 60

gaaaatggcg tcttcggttt ttctatccag tttctcgtca tcgtcttctt tgcaactctg 120

ctcttccttt cacggcgagt acttagctcc gtcgagatgc tttctcggag ctccggtcac 180

ttcctcttct ttatcactct ccggtaagaa gaactcatat tctccgagac agttccatgt 240

ttctgccaag aaagtttctg ggttagagga agccattaga atcagaaaaa tgagagagct 300

tgaaactaaa tcaaaagtta ggagaaatcc accattaaga cgtggaagag tatcgcctcg 360

tcttcttgta cctgatcaca ttccaaggcc tccttatgtt gagtctgggt gtattaccgg 420

gatatatcaa gtgagttcca gattcctggt cctgaaggca ttgcgaaaat gagagctgct 480

tgcgagcttg ctgctcgg 498

<210> 16603
<211> 517
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-A11

<400> 16603

gnngtggngg nnngntttct gtttggcccn gcccggtacc ganaccaaaa ttcncnggtc 60

gacccacgcg nccgancaaa tgccttggtt gtgtctatgt tcaaagagaa gcaaaatcgc 120

ctgatttcaa gggtgtatct ggcacagtaa atgaaagagt tcgagaagct catagcaata 180

aatctgctcc aactattatg ctttttccag aaggaacaac taccaatgga gactacttac 240

ttacattcaa gacaggtgca tttttggctg gaactccagt tcttccggta atattaaaat 300

atccgtatga gcgcttcagt gtggcatggg ataccatatc cggggcacgc cacattttat 360

tccttctctg tcaagtcgta aatcacttgg aagtcatacg gttacctgta tactacccat 420

cccaaagaag agaaagacga ttccaaactt taagctaaca atgttcggaa attaatggnc 480

ancganggta acttgattcc atccgaattt ggactta 517

<210> 16604

<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-015-Q1-E1-G7

<400> 16604

tctctctctc catttgatag gaagaagaag aaagatacaa aaagataaaa gaaagagaga 60

aaaagagttt taattaaaat gcaatgttat acaaatgaag aagcactagc angtctcttc 120

atcaatgtct caacatcttt ctttcttctc ctcatcctcc tctactccgc cgtctccctc 180

ctaatcaagc ttctccactt catcggcggc taccctctcc tccaaaggaa tgaagatgaa 240

tatgattccg cggcatggta ttccgaagaa gaggaggaag aggaagaaga aggggaagaa 300

ctcaagatgt cgtgtaactc aagttaccat gtgatatcta gagatncaaa tccggatttg 360

atagctgata tagcagacga cggagaatcc ttagtgtttt acaataatat ttctcaagga 420

ggagtaaata atcaaca 437

<210> 16605
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-A12

<400> 16605

gaagctcctc gttgttggta ccgccttatg cggtggttcc ggcgccgcct tcattgcttc 60

ctccgatgac ccatcaacaa ccctcaagct ttgcacctcc atccccgttc gtctctaccg 120

caataccgtt accgccgcct ctattgcttt cgattatgag tactcgttgt tgggtttggc 180

tgagggaagc agtgagagag ctaaggtcaa acatgaagtc cacctaaggt cagctcaaaa 240

gcttcaagag ctctgtttta aaaatggagg aatctatatc aaactcggcc aacatatagg 300

acaactagaa tatcttgtgc ctgaagagta tgttcgtact aatgaaggga atccaatgtt 360

gaacaaatgc cctaattcct caatatgaac aagttantga ggt 403

<210> 16606
<211> 103
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-A5

<400> 16606

nttttaangg ggaaatggcc ttttttgggg aantttcaa ttgggcttta aggcccaatn 60

aaattgtggn tttttcaaaa aaaaaaaaaa aaaaaggggg ggg 103

<210> 16607
<211> 666
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-016-Q1-E1-A6

<400> 16607

gcatcgtttt gcttgcttgt gcgtttctct cgaactctct ccatggctgt tgcgctccaa 60

ttcagccgat tatgcgttcg accggatact ttcgtgcggg agaatcatct ctctggatcc 120

ggatctctcc gccgccggaa agctttatca gtccggtgct cgtctggcga tgagaacgct 180

ccttcgccat cggtggtgat ggactccgat ttcgacgcca aggtgttccg taagaacttg 240

acgagaagcg ataattacaa tcgtaaaggg ttcggtcata aggaggagac actcaagctc 300

atgaatcgag agtacaccag tgatatattg gagacactga aaacaaatgg gtatacttat 360

tcttggggag atgttactgt gaaactcgct aaagcatatg gtttttgctg gggtgttnac 420

cgtgctgttc anattgcata tgaagcacaa aagcantttc aaagganagn nttggnttac 480

taacaaatca tcataacccg accgtcataa naggttggaa natatggtgt taaattatcc 540

ggttgaggat taaagaacan ttgntgtntt aanaaaatna gtggtacctc cngcttggac 600

tgggttacaa atttnttcta annnaaaagn caattntnan canttcctgg taaagnctgg 660

aaagtt 666

<210> 16608
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-E5

<400> 16608

ggtgnggana atcncnaggc gtacgtaccg gtaancaatt cccgggncca cccacgcgtc 60

nncaanacgc gtccgcccac gcgtccgccc acgcgtccgc ggtgaagcag ttgatgagct 120

ttgatccagg ggaatggagt gagagtttaa ggaaagagta tcttcttgtc atcganggct 180

tcttctctct tcctctccct ctcttctcca ccacttaccg caaagccatc caagcgcgga 240

ggaaggtggc ggaggcgttg acggtggtgg tgatgaaaag gagggaggag gaggaagaag 300

gagcggagag aaagaaagat atgcttgcgg ngttgcttgc ngcggatgat ggattttccg 360

atgaanagat tgttgacttc ttggtggctt tactttgtca ccggttatga aaanaanctc 420

caanattaan actntcgccg gtcaaatttt caccgnagat ccctttactc ttgccaantc 480

aagg 484

<210> 16609
<211> 108
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-E6

<400> 16609

agattttgag attctctctt atnttcctga ctctaccgnt nccgaatgtg gaaaggaagt 60

ttcttcttat ccgcaacatg tggattcctt gtgttgaatt cganttgg 108

<210> 16610
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-E9

<400> 16610

nnggngngaa nttccnaccg tacgtacgnn ccactnattc catngtccac ccaggcgtcc 60

gaactctctg atctccgctt ctcttcgcca acaaatgtcg accgctcctc tctccggctt 120

ctttctcact tcactttctc cttctcaatc ttctctccag aaactctctc ttcgnacttn 180

gtccaccgtc gcttgcctcc cacccgcctc ttcttcttcc tcatcttcct cctcctcgtc 240

ttcccgttcc gttccaacgc ttatccgtaa cgagccagtt tttgccgctc ctgctcctat 300

cattgnccct tattggagtg aagagatggg aaccgaagca tacgacgagg ctattgaagc 360

tctcaagaag cttctcatcg agaaggaaga gctaaagacg gttgcagcgg caaangtgga 420

gcaagattac ancgggtctt canaacaggg tacttcatcc ganaaggaaa gctttcngac 480

cccggtcgaa atcattaagc aagggttt 508

<210> 16611
<211> 65
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-F10

<400> 16611

catgggagtt tgatcccana gccggcacac ctgaggaacg agccgccgtc gangatgctc 60

gccgg 65

<210> 16612
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-F11

<400> 16612

nngnnngggn nngaacttcn ncagntcgta ngccccnnna ttcccaaggt ccacccacgc 60

gtccgnagac gcgtnggcgg acgcgtgggt ccagaacctt ctagatctcg aggaacccac 120

attccaaaac gaggtcgtgg agaatctcaa agatggtttg ggtttggttc ttgaagactt 180

ctatcaactc gccggtaagc tggccaagga cgatgaagga gtcttccgtg ttgagtacga 240

cgctgaagac tcagagatca acggcgtaga gttctccgtc gctcatgctg ctgacgtaac 300

cgtcgatgat ctaacggctg aggacgggac ggctaagttc aaggagttgg ttccttacaa 360

tgggatcttg aacttggaag gacttagcag accactcctt gctgtccagg tgaccaagct 420

aaaagatggg cttgcaatgg gcctagcttt caatcacgca gtcttagacg ggacatccac 480

gtggcanttt atgaactcat ggggccg 507

<210> 16613
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-F5

<400> 16613

gtgnggaaat cccnnagntn tcgtaccggc agancnattc ccggnnccnc ccacgcgtca 60

gtattctatt tactaaaacc tcccaaggac caaagaacat cgacaaagga agacgacgaa 120

gaagatttcg agcttcgaca aatcatgcgg attcttactg ctcgcatagc tancnatttt 180

tgcagggcac gaaacgcgaa tcctcgatct cgaaatttct cctcgtcgaa caagaaagat 240

gaccttacat tggaggaaga agctgagagg aaaataggtt ggtgtctcaa aattttcttt 300

gcgggcacag caacgtatat tggntaccag tttttccctt acttaggtga taacttaatt 360

catcaatcaa tatcgctttt acatgtgaag gatcctttgt ttaagaaaat gggagcntct 420

cgggcttccc gtttcgctat tgatgatgaa aggagggatg aanggtgtan agatgggtgg 480

gg 482

<210> 16614
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-F7

<400> 16614

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nggagatatt tttatcgcag tgagaaagaa acacaaaaaa tgcagaatca aaggcttatt 120

aagcagcaac aacaacaaca acaacagcaa catcaacaag ctatgattca acaagctatg 180

atgcaacaac atccttctct ttatcatcct ggtgttatgg ctcctcctca gatggagcct 240

ttaccaagtg gaaaccttcc tcctggtttt gatccaacta cttgccgtag tgtgtatgct 300

ggaaacattc atacgcaggt cacagagatt cttcttcaag agatttttgc aagtactggt 360

cctattgaaa gctgtaaact catcagaaag gataagtcat catatggatt tgttcactac 420

tttgatcgaa gatgtgctag tatggctata atgactctta acggaaggna tatatttgga 480

c 481

<210> 16615
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-F8

<400> 16615

ntnngaangt cnncatgntn nncgtacgga naancaattc ccggggccac gcactcngaa 60

naaacgaagg atataactct gagatttgtg taagcattct tctttgagat tttccgaggt 120

cacaagtcag tacacaaagg aagttccttt tttgggtttt ggggtctgct ttgtgtcagt 180

gattttagga ttgcttcatt tgccacacat ttccaatctc ttaagtagtt ggcggcgaag 240

atgggtttcc tgatagggggg ctcttgcttc gtcccttctg ttcctctaca ctctcgattc 300

ctttcatctc cttcttcttc ttcttcttct tctccttctt cgtctcagtt tgggcttctg 360

tgttcgagta atgtcgccaa gttcaagcgc cgacgaccaa cattggcttc tttaaaccaa 420

ggaagatggg tacgaatatg acgttgcntc cgccaaaang anggcttccn tcttgtgg 478

<210> 16616
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-F9

<400> 16616

nngnntgggn nganttctnn ccgnacgtac gccctcgatt ccanngtcca cccangcgtc 60

cggaagagga nagttctaac acatccctga caaatactct tgctgaattt gatcccttct 120

ccccatcatc gttgtacccc gaacatgaga tcaatgctac ttctgatctc aacatggacc 180

aggattacga tttttcacaa tttttcgaaa aattcggagg agataaccac aatgaggaga 240

acagtatgaa tgatctcctt atgtccgatg tttcccaaga agtctcatca actagcgttg 300

atgatcaaga caatatggta ggaaacttcg agggatggtc aaattatctt cttgaccata 360

ccaattttat gtatgacacc gactcagact cgcttgaaaa gcatttcata tgagtcttca 420

tatccaaaca gaaaggttca aactattcga cgacttaaaa taatgggtcc tgtcccaagg 480

gttngtccat tactaactcg cccc 504

<210> 16617
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-G1

<400> 16617

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tttgcaacag agagaatcat ggagagagct atggaaagac aaaagatatt gcntcgtcat 120

ctcaatccag tttcttcttc taattcttct cttaaacatg aaccttctct tctgtctcct 180

gtgaattgtg tttctgaagt ttccccaatg gctgcttttg gagatgacat tgtgattgta 240

gcggcatatc gtaccgccat ttgcaaagcg agacgtggag gtttcaaaga cactcttcct 300

gatgatcttc ttgcttctgt tcttaaggct gtagtggaaa gaacatcttt ggattcaagt 360

gaagttggtg atancgttgt tggtaccgtg atancgcctg gttctcagag agcaa 415

<210> 16618
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-G11

<400> 16618

nnnnggggnn gaacttcncg cctgnccgta cgcccccana aattcccann gtccacccan 60

gcctccgcat tgaggtaaag aagatataca gtagcatgaa agctgctggt tacttaccca 120

caatccgcct ttataggatg atgattgagc ttctctgcaa agggaaacga gttagagatg 180

ctgaaattat ggtctctgaa atggaagagg ccaatttcaa ggttgagctt gctatatgga 240

attccatgct gaagatgtat acggctatcg aggattacaa gaagacagtt caagtatacc 300

agaggataaa agaaactgga ctggaaccag acgagaccac ttacaatact ctgattataa 360

tgtattgtag agacagacga ccagaagaag ggtacttgct tatgcagcaa atgagaaatc 420

ttggtttgga cccaaaactg gacacataca agagcttgat ctctgctttt ggtaagcaaa 480

aatgccttga acaagctgaa caactgtt 508

<210> 16619
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-G12

<400> 16619

gacgaacttt gtgagggaga aaaaatggcg aatttactgg aaacatcaat ctttttctcc 60

tctgctgata aattactgtc tttcccgcct aagaattctc aaacccatca tctccctttc 120

tctgctttca tcaatggagg aagaaagata cgcaaaagct caactatcac ctttgctacc 180

gacactgtca cttacaatgg cactacaagt gcggaagtaa aaagctctgt tgaggatcca 240

atgggaaagt tgaggttgct gaaaggntac actatggctc aattttgtga caaagattan 300

tgatccctcc ttgaatgaga aacctaaagt ttaacaatgg gagacttatt gggtttaaga 360

aataatggga caaagtncaa tgttaaattc caataancgn tgcanaatnc naacctgata 420

ccgaaactga tc 432

<210> 16620
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-014-Q1-E1-E4

<400> 16620

aactccacgt tggcccttgt tgtgtccatc ccgtctcgcc gtttgaaacg tattcgttgt 60

tcgctccatc agtccaatcc gtcaaagttg gagagaaagg ttttcatgtc gtcaaatagg 120

aatatatatg ctgaaagaca ttggatgtat gaaagaatcg atcctacaac caatcgagta 180

tcacaagctt tttatgaagg attggacaat tttttgaagt ttgcaaaaag tcagccttta 240

tttttggaga ataaaaaact tttttgtccg tgtattaagt gtggaaatgg aggaagacaa 300

caagaagaac acatcgtggc aacacatttg ttcaacaaag gttttatgct taactactgg 360

gtttggactt ctcatggggg aagattataa tatgttaata aacaacaatt ctgaaagaag 420

ata 423

<210> 16621
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-G4

<400> 16621

gnntnnnnaa gttttctgcn ntcgtangga aannnactcg ggccgccacg cgtccgcaaa 60

anttggtgtc aacgctcaga caagaaaggc gtgtgttcat tgttgaatct tcccatttcc 120

tcatccaaat tccgacataa ctatcctagc cgccatttgt tctccacatt ngnaaaccct 180

cagcagcttc aaaactcttc cgatctctcc ctcacgctcg caattctctc gtctccattt 240

taatagtttt tcttctcgga atcacaaatc ttcggcttct tgttccttgg cgtgtgtgtg 300

tgttgttgaa tggctcttgt tcagcggatt ccaanttcct cctccagtat tcggaattgg 360

naacaagcga ggaccaattt gactcctatt tgttgtttac attacannac tgnatcctcc 420

tcttcttcaa ncnttacaga gaaacactct gtggagagat accaaaggga tcaatggg 478

<210> 16622
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-G6

<400> 16622

ccncnctgnn gntcngcgag tcgacaatga attcgcgnng ccacgcagtc cggaccaaat 60

ctttctcctt tggtggcaaa cacaacgaca gatannnaga aacgatggcg tcaaactcgc 120

ttatganctg tggcatatcc gccgtgtacc cttcgcttct ctcttcnncc aagtctaaat 180

tcgtatccgc cggagttcca ctcccaaacg ccgggaatgt tggtcgtatc agaatggctg 240

ctcactggat gcctggcgan ccacgaccag cttaccttga cggttctgct cctggtgact 300

ttgggtttga cccacttgga cttggataag ttccaacgaa ccttgagaga tacaaagagt 360

cagagctcat ccactgtaga tgggctatgc tcgctgttcc tggggatttg gtncaanaag 420

catnaaggta tngaaactgg gttaaaggtn aaggatnnaa canttacaaa ggg 473

<210> 16623
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-G7

<400> 16623

tttcttgaag cagggattct tctaatcatt aatccctact tctttctttc ttttttgttt 60

gttctccttt gagatctatc tagtactagt agtaanancc cctcccctcc attgaatttg 120

aattgaattg aatctctggg aatcaaatct ttgatgtcgc atctggacga cattccttct 180

acgcctggga aattcaagat gatggataaa tcccccttct tcctgcaccg tactcgttgg 240

caatcctccg tcgccaagct tgccttttgg tcccttgtct ttttcggatt gctcttcatc 300

ttcttctacc gatctcccat ctccaatccc gattcctctc gccgctctct tcgcacctac 360

tcttggggcg gtcccgcctg ggagaaacgc gtccgatcct ccg 403

<210> 16624
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-B9

<400> 16624

tgngatcttc cnacgnacgt ncgnnccgtn acggncacag nccncccagg cctccgaatt 60

ccctcactta tcctcaatga aaaaaataat ctgagaaaac gcaaaagaag aacggagcaa 120

aatcctcaga atcgtcgccg gagaatcttt acgtttcgac ataatcggga ttttggnatt 180

gataattccg atggaagggg ttatcacatg tttccatacg aaatgcgtct ctcttccaat 240

tcgttctttc ccactttcta gggtttcttc acttcctcgg tggaggaaca ataaattgat 300

ctcttcatcg cgatcggttc atctaagaag cttgtgcgtt tcgagctcag atactttagt 360

cgcgagcggt tcaccaaagg aagacgagag gcanagcaaa gtatcgagca agaaggaagg 420

agatgactcc gaaggattng aagtttggat ngtaaaatgg gttgcaccnt gcaanggtat 480

cccaaggaga gacaacc 497

<210> 16625
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-C1

<400> 16625

gnggngcaat gtccctcnna ctncagcggt cctcgttacc gggnccngcc acgcgtccgc 60

naaancgtcc gcccacgcgt ccgcggacgc gtgggcctgt cttcatatcc aacagagatc 120

tcttcatggc tccaattact gtcggcgatg ttgtaccaga cggaactatc tctntcttcg 180

atgaaaatga tcagcttcag accgtctctg ttcactctat cgccgccggt aaaaaaagtc 240

attctctttg gtgttcctgg tgctttcact cccacatgca gcatgagcca tgtgcctgga 300

ttcattggga aagcagagga gctgaagtca aagggtatcg atgagatcat ttgctttagt 360

gtgaatgatc catttgtgat gaaangnatg gggaaagana tanannagaa caancatgtn 420

aagtttgtan cagatgggtc tggagaatat acagatcntc ttgggnttgn gcntggt 477

<210> 16626
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-C2

<400> 16626

tgnggaatgt ccctcagtgg tcgcggtcca tttncacggg nccagccacg cgtccggant 60

aagctcccct tttcttatcc ggaaaccaaa aacttccggt gataaaacct ccttcgtcat 120

ctctctactt cttggataaa atggcgtcaa ctttcactgc cacatcttcg nngggttcaa 180

tggttgctcc gaatggtcac aaatctgata agaaacttat cagcaagttg tcttcaagct 240

catttggaag gagacaaagt gtgtgtccta agacccagaa gatccagttc tgcaattgtg 300

tgcgcagcaa aggaattaca tttcaacaaa gatgggacta ccattaggag acttcaagct 360

ggtgtcaaca agctcgcaga tcttgttggt gttacacttg gncccaaagg acgaaatgtt 420

gttcttgana gcaaagtatg gnttaccang aattgttaat gatggtgtga ctggtngcag 480

<210> 16627
<211> 80
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-C3

<400> 16627

ttggtagatg gtgttgacat tgaaganttt gcacnagttt tccgttttcc tgatcactgg 60

ggaataatcn attactgtnc 80

<210> 16628
<211> 343
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-C6

<400> 16628

tgctggtata aggccatgtg tttcctcatt tggtgctgac cagtttgatg agaagagcaa 60

agactacaag acacatttag accgtttctt caacttcnnc gagctatcgg tcactttagg 120

cgcaatcatt gccttcactt tggtggtata tgttcaaatg gaacttggtt ggggtatggc 180

ttttggcaca ttggccgtag ccatggggat ttctaacgct ttgttctttg ctggtanacc 240

gctttatcgg anaggttgcc tgntgntagt cccttgacta gggtanctca ggtctnantt 300

gcggttttcg gaaaacaaaa ngcantttna aaagnnatta ant 343

<210> 16629
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-C7

<400> 16629

ggnnggggata atcncnangn ncntcgtacc gganatcnat tcccgggncc acccacgcgt 60

cananngatt cagagggttg ctctagccat tgctcctcgt cctggctcca atatcagtcc 120

aatatctgtt cccacttccc ctgaagctct cactctggtc cgttggatct cccggagtta 180

cagccttcac actggtgcag atctctttgg atctgattct caaaccagtg gtgacacgtt 240

gctgcatcaa ctctggaatc actctgatgc aatcttgtgc tgctccctca aaacaaacgc 300

ttcaccggtt ttcacattcg caaaccaaac cggtttagac atgctggaaa cgactcttgt 360

agcccttcaa gacataatgc tagacaagac ccttgacgaa cctggtcgta aagctctttg 420

ctctgagttc cccaagatca tgcaacangg ctatgctcat ctgccggcag gagtatgtng 480

<210> 16630
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-C8

<400> 16630

ngnggangtc cctctgnagt cacggtccnn nnnacttcgc ggcgcccacc acncgtcagt 60

aaaaatgtcg ggtanaggag aaggaccagc tatcggtatc gatcttggta ccacntactc 120

ttgcgtcgga gtatggcanc acgaccgtgt tgagatcatt gctaatgatg agggaaacag 180

anccacgcca tcttacgttg ctttcaccga ctccgagagg ttgatcggtg acgcagctaa 240

gaatcaggtc gccatgaacc ccgttaacac cgttttcgac gctaagagtt gatcggtccg 300

tccgtttctc ctgacaactc tgttcaagag tgacatgaaa ttgtggncat tcaaagattc 360

aaagcccggc ctgccgataa gccaatgatn tacgtccaat acaaaggtna aagagaaaga 420

nttcccaact gaaggagaat tcttccatgg ntcctaataa natgccttga gaatgctgag 480

gct 483

<210> 16631
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-C9

<400> 16631

ggggngancg tccnaacgca cgtacgcccc cataattcca nngtccacca ggcntccgaa 60

cttctcnact ctcttanant tagatgttat ttttctgttc taccttctct tcataggaac 120

taaagtgaat tgagtcagag ataaanagan agagagaang taacatggat gcttgtnttc 180

ttacctcaag atcaatctct ggtgttaaag agcttgtccc gttcatcaaa gcgagaatct 240

ttacttgccc caagagaaat tctggccaat ttgttaccag gaaggttgct tctccgatct 300

ctgtaaattg ttctctttcg gattcatgga agccactgga agatgatgct gatctcttca 360

nggattgtgt caacaattct acatcagatg ctgattggag ggagttcang gcaaaggctt 420

gtttgcaggg gaacaagctg caacgntccg anaaggatna gccctccgtn gttcnaaccc 480

ggacattggt ggtgggacna atcanccaac c 511

<210> 16632
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-D1

<400> 16632

gngnngcaag tgtccctccg ggtggcagcg gtccngtgnt acccggggcc ngccacgcgt 60

ccgcannacc cctgtaatgg cgcttccaca cgtagtctct tcaccttctt caacttcatt 120

atctccttcc ttcaaatcca aaccaccgtt tcactccctt agatctttat caccganggn 180

tgataatcgc cggcgttgta aactcaacag ttccttccga tgttcatctt cttcattctc 240

cgagaagcat cacaacgcga aatctccaaa atccgatgat atcgtcgagc ttcctctgtt 300

tccactccca ctcgttctct tccccggagc aatccttcct cgtcagatnt tcgaattccg 360

ttaacgnatc atggatgcac aaggctcctc caatcctgat ttaagaaatt nggggnaatt 420

taaatnccgg ntttcggttt ncnggggntt cggncggnna nga 463

<210> 16633
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-D12

<400> 16633

gggnganttc ctgccgnncg taccgcccca taattcccaa gtccacccac gcctccgcag 60

ctatggnnat gagctttcat cgtcttcctc aggcattgca tatgataccc agaaacccta 120

cgcaatcatc gangaattta gggttttctt cgtttctatc gtgtgcacca tcnatggntt 180

ctcgtatatc agtttctagg ctttctctga atcatcccgg ctcgaaattt gggttctcac 240

tcgatactag ggtgagaaat gagtttatcg ttngagcaga ngaaggtaac acagaagctg 300

aatctgaaga atttgttgct gaaatcgctg atacggangg aaatgttagg aagtggtcga 360

agctanacct anaaganaac ctagggttaa agctcgggng atgtcatggg gatactgaac 420

cacnaaagcc atttgagggn gcnagc 446

<210> 16634
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-D3

<400> 16634

gggnngcacg tcnttcctgn tcccacggtc cacaaacccg ggnccngcca cgcgtccgca 60

naatttttgt gcttcgcgaa cagcaagttg agctatggtg aaggagagtg agtactacga 120

catattaggc gtcaagattg acgcctctgg tgctgagatt aagaaagctt atnatgttca 180

agcaaggcaa gttcatccag acaagaaccc tggtgatcct caagctgcta aaaactttca 240

gatactaggt gaagcttatc aagttctagg cgatccggag aagcgtacag cttatgacaa 300

atatggaaaa gaaggggttc aacaggatgc aatggttgat cctgcagctg tgtttggtat 360

gctctttggt agcgagctct ttgaggatta cgttgggcaa cttgcccttg cttcagcagc 420

ctcaatcgat gctgaattag aatcgtatga gcctgagatt agaaaacaga tgcttcag 478

<210> 16635
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-B2

<400> 16635

angcgtccgg gaaaagttcc attgtcttgc ttctttcgtc ggagggctct ctttgggctt 60

tccgaaaagg tatcacatgc caagtttggc ctcacggtat agaagttata gagtcataaa 120

gttttaacca aaaaaaaaaa aaaaaaaaag agggatgcaa cacgaggact tcccgggagg 180

tcacccatcc tagtactact ctcgcccaag cacgcttaac tgcggagttc tgatgggatc 240

cggtgcatta gtgctggtat gatcgcatcc gttagtatat gcaatgcaat cgtatctatt 300

ccttttttaa agtcntgatg aaccgttcgc cgtgggtccc aaccgccatg caaggataac 360

ccatctaatc ctaacganct ttgatgcatg aaaaatattc caaaacantg cttgaaaaat 420

t 421

<210> 16636
<211> 270
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-D4

<400> 16636

tntcattcat aattcactca ccccaaaatt acaaaaaaaa aaaaaanaaa agattttcca 60

tttccctctt ctcgatccac cactaccacc aacctcaaaa gctttcatct tnnngggtca 120

tggtcggtgg ttcaggtcaa ccggcggctg atacatgaga tgacagaagc tcctggaggt 180

tttcccgcgg cggttccatc gcctcatgat gcctgggatt gcgaanattc nggngantct 240

tagcnatggt ggaangttta ctcagtanaa 270

<210> 16637
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-D5

<400> 16637

ataatttcgt gtgattaatc tatggagttg gaatttgaat caaagtacga gattaaccgt 60

acggcggagt tcattattag caaaagcttc accagaattg ctttacagtt cccggatgag 120

ttgttaaaag attcgactaa ggtcgtgagt gctcttaaga gcaaaactcg tttgcttact 180

gacagagaag tcaggttctt tgtaatggct gacacaactt atggtagttg ctgtattgat 240

gaagttggag ctttgcatat tgattctgaa tgtgttgttc attacggtca aacatgtcta 300

agcccgacat cagttcttcc aacattcttc cgtttttggg aaaacctcga taaacgtccc 360

caactgtgtt aancatttga tagattaagc cgtcaaagaa cga 403

<210> 16638
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-014-Q1-E1-D7

<400> 16638

gcacacgcgt ccggtaagat atctggatat gagtttaaga tggagagaac ttgtgcggcc 60

agaccaaaat ctccagaatg tcaaaggccc agagacagat gttgccattt ttagaaacgc 120

tcggatatgt gacaaaaagc ttagtgataa caaggttagc tacggagttt tctttggaaa 180

tcaaaagcat ctgccatcac gcgtcatgaa gaatataatg gaggtcgaga aaacccaaga 240

tagaaatgaa aagtattggt tacaagaagc ccatgttccc ctatacttga tcaaagaatt 300

tgaagagagc ttgcatagag tacaaatgcc ttcttcaacc aagaagccat ccaagaaatt 360

atcaaagctt cagagaaagc agctgaaagc ttcgctcatg gacatatttt catatatagc 420

c 421

<210> 16639
<211> 91
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-D8

<400> 16639

nccttccac ccgcaggaga cacatntgtc gcgaaacnag aaacatctct ttcagatagg 60

angagatcgt gacattcgct gatgattccg t 91

<210> 16640
<211> 67
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-E10

<400> 16640

tancgagagt attgagtttt tacctacagt ggatatccaa tgcantgtgc ttctacntgt 60

ttcctgt 67

<210> 16641
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-G9

<400> 16641

tncccttctc tgttgttaca gaagtcgacg gcgagtacct tcaaccaaaa ngaaacacaa 60

gtacctggnc caagcattgg aattttncaa gaaggcaaaa nctatncaaa ngcgtacagt 120

cacaacaagt tatctaacag caagacgaac gattaaagaa aaccgtaact caaaaaccgt 180

taacggatct accaaaaaac gctccgatgg gaccgtcgaa ccggttcgtg attctttcat 240

gttattcgtc ttaaaagctg ttacggtaag tacttaaccg cttctaacga gcggttcttg 300

ctcggggcta cggggaagaa agtgattcag ttgaaactga gtcnggttga ttcgtctgtt 360

gagtgggaan cgcttagaga aaggtctaaa gattaagctt aagactaaat ntggtaacta 420

attacgaggt aatgggggnc ctcctccctg ggagaa 456

<210> 16642
<211> 58
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-H11

<400> 16642

atccgcttat tctctntgag ctatcccgnt gaaatctatc actacgatat gattctta 58

<210> 16643
<211> 147
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-013-Q1-E1-H2

<400> 16643

aatgttaagt tactgatcgc gtcgtgttac tgttagttgg cttattgata ttttacattt 60

tctctctttt taactttggc gaatggatac tttatcgaga tatttaatgc tatggttgct 120

catcagaaaa aaaaaaaaaa agggcgg 147

<210> 16644
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-H3

<400> 16644

gatttgactc agagagagat tcattcagta atggcagcct caggcacctc tgctactttc 60

agagcctccg tttcttcagc tccttcctct tcttcccaat tgacccattt gaaatcaccc 120

ttcaaagctg tcaaatatac gcctctgcca tcgtctcgct ccaagtcatc atccttctcc 180

gtctcctgca ccatcgccaa ggacccgcct gttctcatgg ccgccggatc tgacccggcc 240

ctgtggcaac gacccgattc gttcggtcgg tttgggaagt ttggtgggaa gtatgtacct 300

gaaaccctta tgcacgctct atctgagctt gaatccgctt tccaatgctc cttgccaacg 360

acgatgaatt tcaagagaga attggntggn atcctgaaag ggctatgttg ggtaaaagaa 420

aatcctccng tantttggaa na 442

<210> 16645
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-H4

<400> 16645

ttccttgtac cacacgatcc ttatagctca tcatctaatg gccatnttaa tccgccagag 60

aanaagaaga agaagaaaat agattagggt ttttcattcc agaatagccc naatccaaat 120

tcgaaatctt tcttctgatt ttgatctttc cgatcatgtc atcggtctgt gttaacgaag 180

cattaaccga tgacgagctg agatgggtat tgtcgagact acacagtgat aaagataagg 240

aagtgtttgg tttggtctgc aagaggtggc taaatctgca gagtaccgac cggaagaagc 300

tancggcacg tgctggtcca catatgctcc gccgtctcgc ttctangttc actcaaatcg 360

tcnaantgga tttgtcncaa tcaatttcta ggtcccttta tccangagtt actgattccg 420

acctcgctgt tacccctgag ggaa 444

<210> 16646
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-H5

<400> 16646

gatttttttt gaaaagcttc acttcccact ctctctctct ctctctctct tcctacggct 60

gcgaaaatga caatcggtta cagagacgcc gccggagacc cgctcttccc gtggcttatg 120

gagattaaaa attcgatgga ggatctatac gctggtaaaa attccggata cgatctcgat 180

aagcttctat ttgattgtat ctcaacttat aagaaagatt ctcggtaccg aaatgacctc 240

agattcctca agatctggnt tctctatctt gaaggcangg aagattttga gagggtttat 300

agagaaattg aagagactga gatatgtaaa gggnattcnt tgctctatga atggnatgcn 360

attttcctga aggcaaagga ttgtggcnaa naacaaantc ngttaacaaa ctggtccttc 420

aangaaagt 429

<210> 16647
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-013-Q1-E1-H6

<400> 16647

ataatatgag agatagacaa atgtaaagaa aaacacagag agaaaattag tttaattaat 60

ctctcaaata tatacaaata ttaaaacttc ttcttcttca attacaattc tcattctttt 120

tttcttgttc ttatattgta gttgcaagaa agttaaaaga ttttgacttt tcttgtttca 180

gatttcagca aatgggatcg attttaagct tcgtctgggt taaaagcttg gatcctatct 240

gaagacagaa caaaggttct tgcttttgat tcattgccca ttttgagaag atgttcgaag 300

gtcgtcctcg tgattcttgt ctaagtttca acacttttca ccatgccaag ccataaagaa 360

acgaaatgga gctttttggt ttccgggaaa cgatctttct caacaacgat gagtctgatc 420

tcactcaaga agatgt 436

<210> 16648
<211> 513
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-H9

<400> 16648

gntnnnggaa ctgtntattn gcccgccnng gtccgaaacn ncncgggtcc ntccacgcnt 60

ccgcncacac gtccgggcaa agggcattgg cnaaaaataa taagacactc gttagagtgc 120

tcgtccctcg tgcccttacc tgcctaattc caactatctg gcaaaatcat gactttgatg 180

caagatgccg agttgaaacc aaggatgggt tcttttaaga agaggagctc ttctaagaat 240

ttgaggtatt caatgacaaa gagaagaaga agtagcaaag tgatgtctgt ggagatcatc 300

gaagatgtgc atgacgcaga ggagttgaaa gccgttgatg cttttcgcca atcgcttatt 360

ctcgatgagc tactcccgga gaaacacgat gactaccata tgatgcttan atttttgaag 420

gctagaaaat ttgatcttga gaaaaccaaa cagatgtgga ctgaaatgct tagatgggan 480

gaaagaattt ggtgctgata ctgtcatgga ggg 513

<210> 16649
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-A2

<400> 16649

naatacacaa acttcattca ctctctccca ttctcggatc tctctcagtg cacagtggtt 60

gtcactcttc tcctttggtc gaaactcttt cttggaaaga gcattttgtt atcaagactc 120

tgaagagctc ttttgggagg atagtaaggt tggatgatga gagggagatc tgatggaggc 180

ctaaagaagc ggcttattgc ttcggtctgt gtcgtggctc tattcgtctg tttcttgttt 240

atgtactatg gttcctctag ccaaggtgca tcagcattgg aatatggaag atctttgaga 300

aaactcggat cgtcttantt gagtgggaga tgatgataat ggtgatacca aacaggatga 360

ttccgtggct aaatgcagaa agacagtccn tggtgtcncc aaaagttttc ccggtttggt 420

gaa 423

<210> 16650
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-A3

<400> 16650

ggtgngaacg tntcncgntn gtcgnggngg acntgtgccg ggnccgccac gcgtccgaaa 60

aaatattctc tcggtttttt ccagagcgta tattcaaatt cttccttaaa aagtaaaaat 120

taatctgatt ctctctacta ctactactac gatgggtgag aaaaaggaag aannggcgac 180

gaaacctcaa ggagagaaga aacctaccga tggtggaatc accaccgtcg ttatgaagct 240

tgatatgcat tgtgaaggtt gcggcaaaaa aatcaaacgc atcttcaaac atttcaaagg 300

tgtggaagat gtgaagattg attataagag taacaaattg acggtgatcg gaaacgtaga 360

tccagtggaa gttcgtgata aagtggccga caaaatttaa gagaccagtc gaacttgtct 420

ctacagtagc cgccgccgaa gaaagagaca ctccttcatc aggnggtgca gagaaaaa 478

<210> 16651
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-A4

<400> 16651

attcanattc tctgggaana cgatattanc antcatggag cgtctaacat ctcctcctcg 60

tttgatgatt gtctctgatc ttgatcatac tatggntgat catcatgatc ntgagantct 120

atctctgctg agattcaatt cgttgtggga acacgcttat cgccatgact cncttcttgt 180

gtnttctacg ggaagatcac cgacattgta tagtagaact cagnnaggag aaacctttgt 240

tgagccctga tattaccatt atgtctgtag gaactgagat tacttatggt aactctatgg 300

ttcctgatca tggttgggtt gangctctga acnatnnatg ggatttgggt attgtcaaac 360

aagaagctaa catcttccct ganttaaagc ttcaagcaga aactgancat anggc 415

<210> 16652
<211> 512
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-013-Q1-E1-G8

<400> 16652

nnnnnngnan tgtttacgtt gnccggccgg taccgaaacc aanattcgcg ggtcgaccca 60

cgcgtccgaa actatctctt ccacgacgtc gtcttcttcg tctccgtcct gcgatgtaga 120

cgttgacaat cgtggaaaac aattaactcc ttctacaaga cgatctcgag ccggcttctc 180

tgattctttc tcttctcatg atttatcatc attctgtcga gatgaagaag taaaaacatt 240

ctgccccatc aaatcggaat cagacgatga attattaagg agcatagaag ccgaaacttc 300

atcttccgtg gtgagcacgt cagactcatc agaaactcat caccatcacc atcatcatca 360

ttcgtctgga ggtcccaaca acggtcactg ggagaagagg tttcttccgt ttgcttaaga 420

aaggttatcc gcaatgccat tcaacacgtt cacacctctc aaaggagttc cgaaactgac 480

cagacggaag agcaaaacca taagggacaa ca 512

<210> 16653
<211> 474
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-A5

<400> 16653

tgtccatccg gntcgccncc ggtccganac attnantccc ggnggccacg cacgcgtcaa 60

gcattatttt gttaacaaaa aaaaagaaga attatctggc aaagtgttta atttccgaga 120

aagttgaagc agagaagcag aaagtttcag aattctcttt tctccaagtt taacgctttt 180

ttagctcaaa gctcacacac acgaccactc tattcctcct ttaacctttg tgtttgtcaa 240

tttgtgtttc ctcttttgtc gactcatttc tcgattcaat ctcgattttt ttttttttt 300

tttttangga aatctaatga actttttta tggatttgat ctgttaaagt ttcgattaat 360

aagatagtgg tttaggttta cggttttgta attgatttat tatctgtaat gggttgtgag 420

gtttcaaagt tatctgcact ttgttgtgtt tcagagtctg gaagatcgaa tcct 474

<210> 16654
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-A6

<400> 16654

ntggngnaat cccnnggnta acgtaccggt antgtnattc ccggngcccc cacgcgtcng 60

gaatggagag cacgaagatt gctccttcat tcgatcgtgc cagtgagctt aaagctttcg 120

atgagacgaa gactggtgtg aaaggactcg ttgactctgg aatctcaaag attcnacgca 180

ttttccatca ctcatctgtc gaactagcaa accctaaacc acttccctcg gacctgctac 240

atctcaagac gatcccaacg atcgatctcg gaggacggga cttccaggac gcgattaagc 300

acaagaacgc gattgaaggg attaaagaag cagctgccaa gtggggtttc ttccaagtga 360

tcaaccatgg agtttcgctc gagcttcttg agaagatgaa agatggagtt cgtgactttc 420

atgagcaacc tcctgaagtg aggaaagatt tgtacagccg cgatttcggc anaaagttta 480

t 481

<210> 16655
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-014-Q1-E1-A9

<400> 16655

tggagagaga aanttcttgc cgcnncgtac cggcccacca ctcccgngnc cacccacgcg 60

tccgaacaaa canagaaaac gattacaana gagaagaggt atcanaagga agacaagaat 120

cttttaacat tttgaaacaa atggcgtcca aagccatctt cttcttcttt gtctctgncg 180

tgtgnctgtc ctctctcgcc ggtgtggcca tcgctgatgc cgatgacttt gaccgtttcc 240

aaattcaggg atcggtttat tgtgacacat gccgtgtcca attcgttacc cgtctcagca 300

agttccttga aggcgcgaaa gtgaagctag aatgcaggag cagaacaaac ggaaccgtaa 360

cattgacaaa agaagccgta acggacaaaa caggtanctn cacaatggga antgaccgnt 420

gannatgatg gaagaagttt gcgancttg tgctccgtcn aatnattntg acagtggttg 480

ncagttgacn ttnac 495

<210> 16656
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-014-Q1-E1-B11

<400> 16656

ggngancntc cnaacgcacg nccgncccga taattcccan agtccaccca ngcctccgna 60

tctctcaatc tgatgaaagt tgttgttttt aggttataca gagccgttgg atgataatat 120

tgaagtattg gtccctgatg atgaccatgg actctatgca attgacattc gagatccctc 180

ttgggtatag taaagtagct agatattact ttgtgcattg gctacttgta tgcagttgtt 240

aagtttagga gtgaggataa gtaagatgga aattgtatct gcaaccattt ttgtatcata 300

aagaaggttg ctaatgagga catttccggt cttggagatt tagtatctgt tctttcaaag 360

ctttctangg gtgctcgtgt tccattggaa tatatgtctc acactgatcg tcatcgcaag 420

aagcatctga ataatcttcc attttcgttt aaaaaaaaca gagattttga ttcctcaatc 480

aaccgttctt gaaaatcgcc 500

<210> 16657
<211> 752

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-G5

<400> 16657

ngngnnntng nngnattgtc cacgccggna cgtaccggan cacaattccc gggnccaccc 60

acgcgtcngc aaggatctca gaaaattgct tatctcccta atttcttcat ctccctctaa 120

actctcttcc agaatccttg ctcaattctc ttcatttgtg atctcggctc tcttatcacg 180

aagacttctc ccggcggcac cgtcttcaca tttctgctcg tcattctcaa ggaaccaagg 240

tagaagctca ctctctgtga acgaaacatt tgccttttgt tcggaacgaa atctcacaaa 300

ttggttctat gatctgcgcg attcgcgtcg tcttctctct ggatctgaag taattgattg 360

ccattcgtta gctactgtct gccaattttt tatgtttgtc ctctctctgg aacccttgaa 420

tgattcaact ccatccaagt ctcgtcgtcc ttgtaattag caccattgaa gcgattcatg 480

gaangcattg ttgtattggg taagaaacac aancattgaa gcgatgcatc aacaaaggtt 540

tccnttttgg ggattggnag ttcaattaaa tcaatgaccc ttgggtgttc cnggagcaag 600

ataaacatct ctaatgtcaa cggtaaaatn nttaggctga gatccatttg tacnatgggt 660

cnaatccaga aanctcaacc ncattggtaa agctattnng taaggnaaaa atggatcnng 720

tttacaactc cngacnggga agggnatcca ng 752

<210> 16658
<211> 807
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-G6

<400> 16658

ttaatgagat tggtcccttg ttgacttttg acaccatttt gtagattagc aatggcccat 60

acatcagaat ctgtgaatcc tagagatgtt tgcattgtgg gtgttgcacg tactccaatg 120

ggtggctttc tcggatctct ttcatcttta cctgccacaa agcttggatc tttagctatt 180

gcagctgctt tgaagagagc aaatgttgat ccagctcttg ttcaagaagt tgtctttggc 240

aatgttctta gtgctaattt gggtcaagct cctgctcgtc aagctgcttt aggtgcagga 300

atccctaact ctgttatctg tactacagtt aacaaggttt gtgcatcang catgaaagcg 360

gtaatgattg ctgctcaaag tatccagtta gggatcaatg atgtaattgt ggcgggtggt 420

atggaaagca tgtccaatac accaaaaata tttggcanaa ncaaggaang gatcccgttt 480

ttgggccang aatccttant aaaatggaaa tgtttaaagg atggactaat gggaatgtcn 540

aataacgaac tgttnggaat nggnaaacct gttcaaaaaa ttatgccccc gaanaaattt 600

tcaaaaatta caaaggggaa ccanccanga atgnacnaaa gccantttca aaaaattttt 660

taanccctgg ggaaatgccc ggccccaaga aaaaccnggg nnccctttca aatngggaaa 720

aacctncccc gggttnaaan ttttccggga agnaaaaang tttggcccnn naacaaattt 780

ttttnaaang ggnnaaaggg cctttgg 807

<210> 16659
<211> 745
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-G8

<400> 16659

cgactctctt cagagagttt tgagagggtg agagagccgt gctcggcgtt gttagaaaga 60

aagctgagaa ttgcaactgc ttacaagagc aatgtcgaca agctgatcaa gagtctcttg 120

gatttgtgct tctgtacttc ttaagaggaa ggtcaaactt tgctttctgg tacggcggcg 180

atgtcgacga tttcgatcca tcggactgag actctacgaa tcactcacgc tcggtcacga 240

atcttccggc agagatatcg gagaactatc cctctttgga aattaacaat caattcgaga 300

tcttctgata catctaagaa ggaagaactc tctgtacaaa tatcaattcc tcctcaagtt 360

gatnaatcaa ganctgaang tttgagattc gatcgtttac aacctccggg agccaagaat 420

ttggtcatga aagatagaat ttgagttttg gnaaaatccg tanctaagag aaacctaagc 480

cttgaatgaa agaataattg ggnctggaaa cnttgggntt cnttgcaaaa agaagtccac 540

tnggggaaan atttgctccc aaatggaaaa gggagtttta aanggccaaa tttaaaaagn 600

aaanaatgtt taaaggggaa ttccaaaggg gccaanaaaa atggccccaa aggtttcccc 660

ttttnccggg taaaannaaa ggggaannnn aaaancccnt nttttaaaac gtttcaantt 720

tannccaaaa aaatttttgg gnttt 745

<210> 16660
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-G9

<400> 16660

cgttgaagaa gacgaagaag ataccttcct ctttatcttc tccgatttct caaccttccc 60

gtctgcttgt cgtaaagaaa tggcgccgag tagacgggat ttacagctta ctcnggtcac 120

nggaggttct tcttcccana tcagtgatat ggaagaagtt ggtcttctcg attcgtatca 180

caacgaagcg aacgccgatg atattttgac taaaatcnaa naangaagag atgtttccgg 240

tttaaggaag attcangtcg gagtcancgg tatgacttgt gctgcttgtt ctaattccgt 300

tgaagcagct ttgatgaacg ttaatggcgt cttcaaagcc tctgttgctt tgttacanaa 360

tcgagccgat gtcgtcntcg accctaantt agtcaaggan gaagntataa agaaactata 420

naagatgctg gntt 434

<210> 16661
<211> 366
<212> DNA
<213> Arabidopsis thaliana'

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-H1

<400> 16661

tagaggtgtg gaggatgtta ttttgagggc tgctcagatg ggacagatag ttgagaaggt 60

ttctgaggaa cggcttataa cactgttgga acaaataaac agccaaacta ccaagcaaac 120

gaaagtcacg taccaacggc gccgtggggt ggacgacgat taggaaggaa gaagaatatt 180

atgatgtgct ttgtatatct atggagatct cactgttatg ttagtgagtt cacttaagat 240

ctacttaaat gtttctgttc aatatgttta ttgtgagtga atcttgatta tcttccaaac 300

acttgggatg agattaaagc aatctgaaac tgaagctcta aaaaaaaaac nnntanannn 360

cnnnna 366

<210> 16662
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-H12

<400> 16662

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acgaattgag ggagaagtcg aagagcgatc ttcaaaagca gctgaaggaa ctcaaagctg 120

agctcgctct cctccgtgtc gctaaagtca ccggaggtgc tccaaacaag ctctctaaaa 180

tcaaggtcgt gcgtaaatcc atagctcagg ttttgacagt gtcttctcag aagcagaagt 240

ctgctctaag agaagcatac aagaacaaga agttgcttcc tcttgatctc cgtcccaaga 300

agacccgtgc tattcgtaga cgcctcanca aacaccaagg cctcgttgaa gacagagcgt 360

gagaanaaga aggagatgta tttccaataa ngaagtacct atcaaagttt aaagttt 417

<210> 16663
<211> 803
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-H3

<400> 16663

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acgcgtccgc caacgcgtcc gatttttctc tcttccataa aacccaaaag aaactaggaa 120

gaggagtaaa taatatttgt tttaaagaaa tgattctcca caaaatggcg ttcttggccg 180

ttattctctt cttcttgata agcagcagca gcgtttgcgt tcatagccgt gaaacgtttg 240

cttgcgatac aaaggacgca gcaacagcta cactgagatt ctgccagctt tcagttccta 300

taccggagag agtcagagat ttgatcggac ggttgacatt ggccgagaaa gtgagcttgt 360

tagggaacac tgcggcggcg ataccacgtc taggaatcaa agggtacgag tggtggtcgg 420

aggctttaca cggcgtttca aatgtgggaa cccggtacta agttcggtgg ggtttacctg 480

cagccaccag tttccctcaa agtcatcaac aacgttgctt cnttcaatgc ctccttgtgg 540

gaatccatcc ggacgggttg tgtcaaatga aggcaagggc catgttcaac gggtggaant 600

ttggtgggct tacgttattg gagcccaaac cgtttacatn attgagggaa ccacntttgg 660

ggaacttgga nanggaaacn cccgggtgaa aatncaattn ttnccggtaa atacgcaacn 720

nnnccaantn caagggttta agggaaaaca accgttnccg gntnaaagtn acccgcntgt 780

tgggaaanan ttcaagntnn gat 803

<210> 16664
<211> 772
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-H5

<400> 16664

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gattgggagt ccttacaagg cctttagcga tcttcgctgc gcttttgaca gcattaagtt 120

tggcatttct aaatgacagc tttgcaggtt cttttagtga gaaggcgaca cgaaccgtca 180

gaagattctc tccacagtta gctgctaaaa tgagacctcc tttgacacct gtcactcgtg 240

ggcgtccatc atcanagaga gcaatccatg tatgtggtca accccgttgg gtttttgtct 300

tgacatgctc acttgtgaag ttttgctctt tggtatattt cctctggttt gctcaaagtc 360

ctccggttgc gccaactcaa ttgcacatcc ttgcaaacaa attccttcaa tggcaaagcc 420

ttgaagaaac aaccgaaacc tttgaaaggg naacgntttt taacaacaat ttttagggga 480

aagggaaatt tccgaancca anttaanggg cgnttaanct tacaanccgn aagaattttt 540

aganggttta ancccttggg ttccaaacca anngaatttc gnggggtttcc ggcccnnaag 600

ggaacattta ancccccggt ttaangggnc caaaancntt taangggccc ttttcccccc 660

aagggattaa aaccccgggt ttcccgttta aaaacnggtt ccaaagggga ngttcaaacc 720

cgggattttn ttgcccaang nacggggatt anccggtttt tccctggnnt tt 772

<210> 16665
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-012-Q1-E1-H6

<400> 16665

ttctgcttcc tcgtcagaat tcaatttccc ggaaatcggt gactggaact cgccggaaaa 60

tatgggattc agatgggaag aagacgaggg tggaatagga tgtgaaggtt tgattgagat 120

aaagctcgat cattatagcc ataataggaa gatgatgagt aaaacagaga ttgattttca 180

tgcagaggaa gatggtttga tcgagatcga tctttttcca tgaagaagaa gaagatgatg 240

attctctttg tgcttccgat tagaaagcat ttttccgatt agaaagaaag aaaaagaagc 300

aacaattaat ggttgttcan ttttttctat acgaatatca tttgtgtaaa tattattata 360

cgaatgtaat tcaattttca acttttttaca caangattaa ttaatctccg aaaaaacnnn 420

tnnncnnntc nnngnnnnnt gntc 444

<210> 16666
<211> 774
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-G4

<400> 16666

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ccgaaaaaat cattatttat taattatttt ggccaagtta ctgcatttaa ctttttgggc 120

acatcaccac aatactctca caattccaac tatatagaaa tataatcact ctctcttttt 180

cattttttctt ttgaatgttt tcttagtatt agatgaaagt tgagaattct aatcctcact 240

catcgagagt tgagaatcaa atgagttaaa ttgcatcttt tcaggattgc tagaaggaaa 300

aaaaaaaaaa aaaaaaaagg gcggccgctc tagaggatcc aagcttacgt acgcgtgcat 360

gcgacgtcat agctcttcta tagtgtcacc taaattcaat tcactggccg tcgttttaca 420

acgtcgtgac tgggaaaacc ctgggcgtta cccaacttaa tcgccttgca gcacatcccc 480

ctttcgccag ctggcgtaat aacgaaaang ccgcaccgat tgcccttccc aacagttgcg 540

cancctgaat gggcgaatgg gacncncctg gtaccggggc attaaacccc ggcggtgtng 600

tggttacccc ancgtgacgc taaacttgca anggcctacg ccggtccttt cgcttctccc 660

tccttccgca agttgcggtt tccgtangcc naacngggcc ttaggtccat tannttagga 720

ccaccaaaan tntagggagt cnctatggca cccgaanggt tncttgntgn catt 774

<210> 16667
<211> 726
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-E7

<400> 16667

cttcttatga tcgatctttg acaccaatgc ttcccagtga tgctgctgac ccttcagttt 60

gctatgttcc taatccttac aatccctacc agtattacaa tgtatatggg agtggtcaag 120

agtggactga ctacccagct tacacaaatc ctgagggtgt tgacatgaat tctggaattt 180

atggagagaa tgggactgtt gtgtatcctc agggttatgg gtatgcagcg tatccttact 240

cgccagcaac tagccctgct ccacagcttg gcggggaagg gcagttgtac ggtgctcagc 300

agtatcagta tcctaactat tttccaaaca gtggaccgta tgcntcatct gtggctacac 360

ctacccagcc ggatctctct gcaaacaaac ctgctggtgt gaagacacta cctgcggata 420

ncaataatgt tgcttctgct gctggtatca caaaaaggaa ntaatggatt aactcaagtg 480

aaaccaaact aaccaaggct anccntaaca nctcaaagta anttggaatg gnaaggggtg 540

cnccaagaag gagggtttgg ctggccgggt tatcaaggac cccaagtaan cccaangaan 600

gggaataaag cccccgttcc cttggnaaaa tgggnccctn aaccngggng tttcnccnac 660

cannttnnnn gggccctttn gggancccaa ggggaatttn ccttngggtn gggnccccng 720

gggttt 726

<210> 16668
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-012-Q1-E1-E9

<400> 16668

gatgatattg aaaacaaact ctggtttgag ccagaatgta ctggcagcga gtctgaagga 60

caagtgggtc ctacacctcg tgcgtttcat gttgctatta caatcgattg tcatatgttc 120

atctttggtg gacgttctgg tggcaagagg ttgggtgact tctgggttct agatacagat 180

atatggcagt ggtctgaatt gactagcttc ggcgacttac ctacacctcg tgattttgct 240

gccgctgctg ctattgggag ccaaaaaatt gtgttgtgcg gcggctggga cggtaaaaag 300

tggctgtcag atgtttatgt tatggacaca atgtcctttg aatggctggg agctaaccgg 360

tttcaagggt cattgccacc tcctagatgt ggtcatacgg gcacaatggt gggagaaaac 420

gaattacttg ttt 433

<210> 16669
<211> 69
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-F1

<400> 16669

nttgaagaaa cacacagtgg tattaatgca aaaggctgac aanaagatcc tgcaaagaaa 60

canattggc 69

<210> 16670
<211> 888
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-F2

<400> 16670

gnnnnnggaa cgttatttgc ncgcccggtc cgaaatnaac gggtccancc acgcgtccgg 60

atttctttag acgcgcaaac tgaaagagct ttgatcgatc gatttggagg attcgtagaa 120

gatatgtcga gtatatacag aactgtttcg agaaaagaga aaccgagacg tcatcatgga 180

ttgacgacac agaagaagca agagattaag gaagcttttg agctatttga cactgatggt 240

tctggtacca ttgatgctaa agagcttaat gttgctatga gggcgcttgg ttttgaaatg 300

acggaagagc aaatcaacaa aatgatagct gatgtggata aagatggaag tggagctata 360

gattttgatg agtttgttca tatgatgact gctaagattg gtgaaagaga cacaaaagaa 420

gagctcacta aaagcattcc agatnaattg atcttgacaa aaatgggaaa gatatccccc 480

ggatgatatc caaacgcatn gcaaaangga ctttggttaa gaaatttcac cggatgcctg 540

anaataccaa gaagatgggt tgaaagaaaa ccagaaccga agaaccgtnt aatnggtgaa 600

antttaacaa tnggattgaa attccatgaa gggatgatta agggaaaaac tggccttaan 660

gggngggnaa cctaaaaaan ggtttttttc ccggttcctn aaacgaataa tttggatgaa 720

gccnccaant aaaaanttcc cttnaaccng aagggcttaa atttaaccng gtaaaaantt 780

nttacccngg aannattccc nttttncccc aagtttttaa ancccaaaan ncccaaacct 840

tnaaggggaa aantccttgg gnccggtccn ttggtnccaa aaaanaaa 888

<210> 16671
<211> 97
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-F4

<400> 16671

tttcaaagga ccanatcctg gtgntggtca aaaactgggc ctgccacttt aaaaggggat 60

ccncaaaggt ccacaagatt ncaagggcat tccggaa 97

<210> 16672
<211> 592
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-F5

<400> 16672

agtatntgtc tagncggtcg tnncggaaca taattcncgg gnccacgcan gcgtcngcaa 60

cacagagctg acgttagcat ttgtctctga aatcccagat ccgaaaaccc aacaatggcg 120

tcagagaaca acggatccag atccgattcc gaatccanca ccgctccnaa agcngattcc 180

accgtcgttg aaccgaggaa gatagctctg atcaccggan tcaccggcca ggacggatca 240

tacctgacgg agttccttct cggaaaaggc tacgaagttc atggtctgat ccgtcgatca 300

gcgaatttca acacccagcg aatcaaccat atctacatcg atccacacaa tgtcaacaaa 360

gctctgatgn aactccacta cgccgntctc accgangctt cctctctccg tcgttggntc 420

gatgtgatca aacctgacga agtttaaaac ccanttgcnc aatctcaacg ttcgntgtct 480

cgtcgagatt cctgantnna cagccgatgt nttcgcaacn ggtgctctcc cgtcaccctt 540

gaagcccgtc agatttcnca ccaatccaac aattggncgt tacngttnaa gt 592

<210> 16673
<211> 512
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-F9

<400> 16673

ggnnnnnnng naantgttta ctccngccgg caccggtcca aaaancccgg gtcnacccac 60

gcgtccgcac gtctagctct cacttttgtt cgtctcttct gcgtcaaaca tttccaccat 120

tttcgtttct taaacctttc ttcagctctt ctcttcgtca atctgcgata gtggaattga 180

agtctcttcg gtgagtttct ttactaatgg agaccgccgc ttcgagcgta gctacaantc 240

gtggcggttc ccttcagaat ccgtcgccga nggctccgtc aagaaaagag tggcgcgccg 300

tttcggattc acaagacacc acagattatg tggatttgga acagttaaag ctgaacagga 360

cagatgagag aacgatttat gagaatggga gagaacagga tgggtattca aataatgaga 420

tgttgcaaca acaagaatcc taaaggtttc caaaaaagaa aggngaaata caagcaattt 480

ggagattgaa cnttcgagct caaatgantg cg 512

<210> 16674
<211> 771
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-G1

<400> 16674

ngnnnnnnng gnaantgttt attctgcccg gcccgcggtc cgaaaataan ccggggnccn 60

ggcncgcgtc cgcaaaattt caaacacaaa agtttcgtct ccgatttaat ctttctacgt 120

cttggtttat gagctcaaag gagaagccca ctctcggagg tacgcggatt aagacccgca 180

aaaggaatat tgctgctcct ctcgaccctg ctgctttttc tgatgcacta gttcagattt 240

atctggataa tgctggtgat ctggaacttg ttgccataag tttagagtca tctgatctta 300

atttctcaag atacggtgat attttctttg aggttgtttt cattggagga cgtactcaaa 360

ctggttcagt gaaatctgat gaaggggaac gccacccttа ctctataatc gactgtgaac 420

caaagcgtga agctatttta ccatcagttg tatacataca gaaaattttg cggaggaaag 480

ccttccttaa taagaacctt gagaatgttt cacggagatt cctacagtca ctggagcctt 540

ttgaggnaga atganaagga agaaancttg caaatantca caagcacttg cattttcaca 600

agaanctccc aaggattacc tggcanaaaa cngtcntcca nncaattgct taaggggacc 660

ccctggttng ccaaagggaa attcccaant ttgtaaaaga nttctcaang aaaaattggg 720

tnnnaanaat cctnnagccc ttgnttncaa tncgaggntt ggaaattggg g 771

<210> 16675
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-G11

<400> 16675

ttcttctggt gtaaaagctt ttcttccaca cacatttgag aaagaagacg aagaagaaga 60

gagaataact attccttctt cgccaagttc tctgagctat agaagaagga gggatttctt 120

cagaccgcca ttgttgccca ccttctctcc tttctatttt tcgccgcatt ttactcgctt 180

actgacaaaa gtcttctact caagtctctc tctcgctctc tttggaggct caattagggt 240

tttgttgtcg tgagatttga ttacacaaat tgctgaattt ggtttcgatt attggtgtta 300

ttgttttcga agatttccag tgagtttccg tttatggatc tgactggagg atttggagct 360

aaattcggcg gtgttggacc gtgccgggaa ccaatangcc ttgaatcgct acatctcggt 420

gacnaattcg ga 432

<210> 16676
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-G12

<400> 16676

aaaccgaagg aaacttgggt tcgggcatct cgccaaacaa caaagccgtt cttgattact 60

gcaagaaagt tttcatgtac gcgcttgagg atcncagcac cattgttgag gaaatgggtg 120

aagatcttaa ccagatcggg agcaaaatcg accagcttaa acaatggtta accggtgttt 180

acaattacca aactgattgt cttgacgata tcgaagaaga tgatttaaga aagactattg 240

gagagggcat tgcaagctcc aagattctca ctagcaacgc tattgacatc ttccacactg 300

tcgttagcgc catggccaag cttaacttga angtcnagga cttcaagaac atgacangcg 360

gaatcttcgc tccntcagac aaaaggagca gctcccgtca acaaaaggaa ccc 413

<210> 16677
<211> 388
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-G2

<400> 16677

tcccgtcaan naatcngatt acnaggaagg cnaacgtctt actcatctac ncgacttgat 60

tcagagagga attgagacgt ccaagctttc gaatgtgaac tcattacctg agaaganatg 120

gctcaagaag caaatancga ttgggatcaa cgaagtcact cgagttcttg agaggatgaa 180

tcccagcaat actagtgacn aacaacaaaa ncctaaacaa cttcaggtag tgatttttag 240

tagcaagatt tgtaaaccga nggatgctga ccanggnata taccccaact taactggctt 300

cgnagaaaag ttccggttcn caaaggtang gggacaacaa nacgagcctc ccctcaaaat 360

taaggtgaat ttgggtaanc ccaaagac 388

<210> 16678
<211> 861
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-E6

<400> 16678

gngnntngna gnattgtcta gccggncgta ccggaacntn attcccgggn ccacccacgc 60

gtccgcnaac gcgtccgccc acgcgtccgc ccacgcgtcc gtgtctgttc aagctcccat 120

tcttgtggcc ttcacgcttc aggaacaaag accagtatct ctctgaaaga ctacttctcg 180

gaaattttcg tctccatggc acccgtgagg gggattcttg gcttgcaaag ggcagtgtcc 240

atttggaagg aaagtaacag actgactcca gctttgagat cattcagcac tcaagctgca 300

tccacttcca ccactccaca gcctcctcca cctcctccgc ctccggaaaa gactcatttc 360

ggtggtctca aggatgaaga tcggattttt actaatctct atggtctgca tgacccattt 420

ctcaaaggcg cgatgaagag aagtgattgg cataggacca aagatttggt gctcaaaggg 480

tactgattgg attgtcaatg aaatgaagaa atctggactt cgtggacgtt gtggtgctgg 540

tttccccttc tggtcttaaa tggtccntta agcctaaagt ttccgaatgg ccgttcctcc 600

taanttggtt gtcaatgccg atgaaaatta agcctggaaa cttgttaaag aaaggganat 660

ttatncntca atgaacccna naaaattttt ggaaaggggt ttttaatnnc cgggntttgg 720

aaangaaacc naattncngc cttaaattta aatcaggggg tgaaaaantn taaagancnt 780

ttttaaancc aaaaaanggc cnaaaaaaaa acntttnnac nnnggtcctt ggggaaaaaa 840

ccntnggttc cgggnnantt t 861

<210> 16679
<211> 734
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-D3

<400> 16679

gctttaatta ccaatgggag agtgggtcat cggagctttc atcaacattt ttggaagtgt 60

tgctattaat tttggcacaa accttctcaa attgggacat aatgagagag aaaggttagc 120

cctacaagat ggcggaggaa agatgccatt gaagccaatt atacataatc agacttggag 180

agttgggatc cttgtctttc ttcttgggaa ttgcctcaat ttcatttcgt ttggttatgc 240

tgctcagtcc cttctagcag ctcttggatc cattcaattt gtatccaaca tagcatttgc 300

ttatgttgta ttgaacaaaa tggttactgt caaagtactc gttgctacaa cctttataag 360

ttcttgggaa acgttttcct tgtanctttt ggtaatcanc agtccancaa gttttcaaca 420

acccgaaaca atttngcaag aagaaaatta taaccaatgt taacaattcc ctnggnccna 480

actggttggg aaattttgga atttttaaat aanttaaccc cgttgcaacc aaattttccc 540

ncccaaaaaa ggggaaaggg gaaaaaaaat tttttgggaa aaanccnaaa aanccntggg 600

aaccaangaa aaatttttngn cnccctnaat tgggnaaaaa aggccgggcc ttnccctttt 660

ccccaaaaaa nncaanttgg gccccccggg ttgccaaaaa ggggnttaan gttcaaattt 720

ttaanttgnc caaa 734

<210> 16680
<211> 796
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-D4

<400> 16680

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tagacagttt agcttagaag agatagttaa agctacaaag aacttcgata agactatgat 120

actcggtgaa agctccttat atggcacgct ttacaaagga aatcttgaga atggaacaaa 180

agtggcaata agatgcttac cttcatcgaa gaaatactcg ataaggaatc ttaaactgcg 240

gttggatttg ctcgcaaagc ttagacaccc gaatcttgtc tgcttgttgg gtcattgcat 300

agattgtgga ggaaaagatg attacagcgt tgagaaagtc ttttgattta tgagtacatt 360

ccaaatggaa acttccaatc cttgtctctc agataatagt tcangtaang ggtatgaaat 420

tggtcaagaa angcttaaat ggtcctcaca aggtgtttcc aaaagctgtt caatttccct 480

cacactggaa ttaatccctg gaattcctca agcaattaga ctccaagact aacaaccntt 540

ttgccttaaa ccaacatccg gttttgccaa acctaattaa ttaangggtt ggcccattgg 600

cccccgaaac caacnngnct taaccaantt aaaccccgtt ccnttaaggt tccggtttcc 660

ggttccaaag aananaccct ttgttttaaa aaacttttta aaagtgctta aaccgaaanc 720

ntnnactttn anccacattg gggttttncc aanaatccga ttcnaaantg ncaaaaannt 780

aaacccnccn aanncc 796

<210> 16681
<211> 760
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-D6

<400> 16681

accttctcgt cttctttcgg acaacaatgt cacaaaaagt ctgatccttt ctctttagat 60

ttggcttcga gaaatggctc gcgatcggcg ggaaggtctg gagatcaagg tggtgaatcc 120

accggcggcg gcgacaaaca atgtggctgt agaaacgtct ccggcgacgg cgacgaggag 180

acggagacaa caacaacgag cttcgttcgc tgagtttaga ccgtttaagc tttggtttcc 240

atggcttgtt ccagctatcg tggtggctaa cattgccctt ttcgccattt cgatgtttat 300

taacaattgt cctaagaact cggcttattg cttagctagg tttcttggga gatttgcttt 360

cagcctatga aaagagaatc ctccttctgg gtccttcctc ctttgacaat tgggagaana 420

atgggggctt taaaatgtta tcaatnggtg gntcataanc cacaaggtnt tggcccttgt 480

tcacttgtta aanggctaca tccngggggn ttttcaaagg tccttgccaa caatgtttaa 540

ccctaacctt caatgggnan tccaacttna accaagaaat ttggatttgt ancccattgg 600

attgccttaa angaaaaccg ggattggggg aaatttgtaa cctcccaaat taaccgggcg 660

ggnaaacctt ggggccccgg ggcattattc gnttcctggg gnaanctttа aagntcccaa 720

atggncattt nccaaaattt nanccnttna ncncttcnna 760

<210> 16682
<211> 711
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-D7

<400> 16682

tatcatattt agtacagctt tatcaacagc aatggtgttg tgctctcagg gtatcatgaa 60

tggccagatg acagtcggtg atttggttat ggtgaatgga cttctctttc agctgtctct 120

tcctctaaat tttttgggta gtgtttaccg tgaaacaatt cagagccttg tggacatgaa 180

atcaatgttc cagttgctag aggagaaatc tgacatcaca aatacaagtg acgcaaagcc 240

tcttgtactg aaaggtggaa acattgagtt tgaaaatgta cacttcagtt accttccaga 300

gagaaaaata ttagatggaa tttcctttgt cgtaccggca ggaaaaagtg tggcaatccg 360

ttggtactaa ccgggagcgg caagtcaaca attcctaaga tgctattcan attcctccac 420

acagantccg gaaatataag gattgacggg caagatttaa ngaaatnaga canatagcct 480

ccgaaacctc catangaatt ttgccncaag aaacggtccc ctcaatgacc aatattcnca 540

catncattag ganntnccca nctncnaana aaangttttn agncgccccg cnnctgaatc 600

atnaaanaac cttattnccc ggaaaaaatc cccatttttg ggaaaggggc natttatngt 660

ggaaaaaaaa aanggncttn cccgnatttn aaacccnnna tcttttggna g 711

<210> 16683
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-D9

<400> 16683

gaactcagcc atggcttctt cttcttcttc tcttctaatc ctagccgttg cttgtttcgt 60

ctcgctaatc tcaccggcga tttcacaaca ggcttgcaaa tcacagaact tgaantccgn 120

nggtccgttc gatagttgcg aagaccttcc ggtactcaat tcctacctcc attacaccta 180

caattcctca aattcatctc tctccgtcgc tttcgtcgcc actccatctc aagccaacgg 240

tggctgggtc gcttgggcta ttaaccctac ggggactaag atggctggtt ctcaagcctt 300

cctcgcttac agattcggcg gtggtgcggc tccggtcgtg aaagacgtac aacatttagc 360

agctacaagc agtctcgtcn aaggtaaaac ttgcttttga tttttgggaa tctacgcgcc 420

nantcgttaa acgggggtat g 441

<210> 16684
<211> 812
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-E1

<400> 16684

nnnntnnngn aatgtttatt ctgcccgccg cggtccgnaa atacccgggt ccacccacgc 60

gtccgccnac gcgtccggac gtagttaagg ataagacggg tttgccacaa aaaatggttg 120

tattcaagct gagttctgga tcaggagtta gtttatatgt tcgtaaaatg gttcatgatg 180

attctccggg tgaaatctct acaaccaaga gagctcgaac agaggagagc aatatgagtt 240

ctaagagaca gaagacagaa gatgaatctg aggagaccaa agaagcaaat gcaaagcaaa 300

gagaggctga taagacaaag ctcctccttc ataaaatccc tctcaatgtc ccgtctcaag 360

agttaaaagt agttattacc gggcagttca cacttgaagt tatgccaccc aaaagaaaag 420

gacgttatta caatgcagtt gttactttta atagtccaga aagaaagcaa ataaaagcat 480

ttgaaaaagt taaanggaga aacaatttaa ggagaaaagg tggntttggc acaaaaaaat 540

tggttgcgtt taaanctgaa nttcanggtn aagggnccnt tgtttaaacg tttccgtaaa 600

atnggtcaaa gantaaanct gaaggggaac caaaganggc aaatgcaaan ccatttttaa 660

ggatgatnca tttaaaagaa aatgggaana actgaaggga aaaanccaag ccnatgggnt 720

tccatcaact gcaangnccn tccaangaan ttganaactg aaccaaaanc catgccaagg 780

gaattcgtta nnggcccggg aanttntcca nc 812

<210> 16685
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-E11

<400> 16685

cggttcacgt ttttctcaat ctgtccggag agagagaaac tcaccgggga atcttgaaat 60

caccatcaca tcctctcttc cctcnatctc cgttatcgac tgtaaatcga attttgttgt 120

tgctttgttt tcttgggcga ataaaagagg ataatttagt ggnggggttt tcgagaaaga 180

gagagaaaga atgagtttc aagatttana ngcgggaaga ggaagatcat tancttcttc 240

aaggaacatc aatggtggtg gtagtagaca anacacgact caanatgttg cttctggtat 300

atttcagatc aatacaagtg tttcnacttt ccatcgtcat gtcaanactc ntggtactcc 360

taaagatacc ctgagctcag agaaaaactg cataagacaa gantanatat tggncagtta 420

<210> 16686
<211> 417

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-E12

<400> 16686

tatcgaacac gaagcagaag acgattcgtg gaagagactt ggagagaata tttctcaatg 60

tctcctctcc caatcttcca tcgtcttcct cacgccangt tctcttcctt tctcctctca 120

ctgtctcaag ctggaagttc taaaacatca gtggcattcc tcaatgcctt caaatcagaa 180

gatatcattg ctcgaattgg actatggtgg cagcttataa gggctgttgt agttgtacct 240

gtcttcaagt tcctggtgct tctatgtttg gtcatgtctg tcatgttctt cgttgaggtt 300

atgtacatgg gaatcgttgt tttgtatgtc aagctgttca agagaaancc agagaaattt 360

tacaaatggg aagccatggn ggatgatgtt ganttgtggc antgcaagct acccnat 417

<210> 16687
<211> 792
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-E4

<400> 16687

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gtccgtgatt tatacaaata tatatctaca aactacaatg aataatttca ttctcttatg 120

gcatatggtg ctataaacaa acacacttac cacgcttgat cctacaacac atgaaccatg 180

gcttcttcaa cccactctta cttcaccact ttagcactaa ccctaatctt gatctttcgt 240

ctcataccag aaaccaccgc atcacgccat ctgaatggaa agaatccggc ggtaattgga 300

gttaccacta ctagcgagaa atacattgtt cctacgccgt taccaccgtt tttacgaccc 360

tttttcccac cgttacagtt tgccgctgca ccgttcggag ggaatatccc acaaccaccg 420

ttaccttcac cacctccaac atttctaccg tgtctcccag gtttcaagtt tcctcccttt 480

cagtcccgaa agcctacgcc gccgtaatcg tatatacgtt gacgggatca agtctaaaac 540

tgtatgaaat attaaactaa cctacttaan gtataacaac cccaaataca ccgttgatta 600

ncataaataa ttgangggaa tatcanggna gaaactgtaa taaaattacn ggggtntaat 660

taaaaattga taatncaagg ttnnnaccaa aaaaaaaaan ggggcgccca aggtnaactt 720

agtncnngat gnaantcaac cctcaaagnn ccaatcattc aggcgccttt aaatcnnang 780

gaaccgggtt ca 792

<210> 16688
<211> 72
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-E5

<400> 16688

nggattgaga atttcttgtc aagcgtcnag tattcnatca gacagagttc cagatatgga 60

aaagaagaag ac 72

<210> 16689
<211> 743
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-012-Q1-E1-D2

<400> 16689

nnnnnnngga actgtctact ctgcncgtcc cggtccgaaa atncccgggt ccacccacgc 60

gtccgcanga ataaagggtt tgattacttc tattggaaag aaaaaaatct ttggaaaatg 120

gatcaaacag aggaaccacc actcaacaca caccagcagc acccagaaga agttgaacat 180

catgagaatg gtgcgactaa gatgtttagg aaagtaaagg ctagagctaa gaagttcaag 240

aacagtctca ctaaacatgg acaaagcaat gagcatgagc aagatcatga tttggttgaa 300

gaagatgatg atgatgacga gctagaacct gaagtgatcg atgcaccagg cgtaacaggt 360

aaacctagag aaactaatgt tccagcatcg gaggaaatta ttccaccaag gacaaaggtg 420

tttcctgtcg tgtcctccga ttacaccaaa cccactgaat ccgtaccagt acaagaagcc 480

tccttacgga cacgatgcan cggctcaatc cgtaaggacg acgtttacat ccggacaaag 540

gaagaagaaa aangagaagt ttccgantca acaatcctcc ggtcccnaaa ttgtccagac 600

nnnagnaaan aagaantttn agaagaactc catccangaa gtccantnga aaaaatcccn 660

ggtccccccc gggcnttttc nggnaaccaa angggannтt tanccaantt tccttttgc 720

cccccaaant tggggnaann aat 743

<210> 16690
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-011-Q1-E1-E1

<400> 16690

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caaacgcgcc ggtgtttgat ccggtggaat ttcgtgaggt ggaggatttt tcaccgaaat 120

ggtgggatct agtaacgact tcgaaatggt tccgtgactt ttggctcagt gctaactctg 180

agaatgagtt cctcggcggc gacgatttct cagttatgga agaagagttc gaggagatga 240

tcgcatcgtc tgatggtgga tccatggctg atacagttac agaagcagat gtggctagtt 300

atttgaagat gcttttgaac atancggagt ctacgaaaga gaagatttat agatcgaaag 360

tttcgtcctg ttcaccaaaa gtataatcag aagaagtaca tgaatcccaa ctttaaattg 420

tcgcccggna tcatcata 438

<210> 16691
<211> 300
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-011-Q1-E1-E11

<400> 16691

gaaaaaaagt ggggggattt ataaatggga ttgttataaa tttagggttt tggttttggg 60

tgtccatttt ctaaaatttt gtaattaaaa agggggggaga gagagtggtt aatttggtat 120

ctttagtggg aaataagagc gtagtgtaat cttccttatt gtaacaaaag gaaaggctcg 180

aaagagtttt gaaatgtaaa gatatcattt ctctgccttt atttttgtat atatcattgc 240

ctctttttga acagatgtaa atttcaaagg agttgatcaa aaaaaaaaaa aaaagggcgg 300

<210> 16692

<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-011-Q1-E1-E3

<400> 16692

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agattgagga atctggacgc ttaccctaaa atcaatgaag atttctacag gcgtactctt 120

tctggtggtg ttatcaccct cgcctcttct attgtcatgc taattctctt cttctccgag 180

cttcagctgt acattcaccc ggttactgag actcagcttc gtgttgatac atcaagagga 240

gagaagctac ggattaattt tgatgttaca ttccctgcgc ttcaatgttc gattattagt 300

cttgattcca tggatatcag tggggagaag caccttgatg tgcgacatga cattattaaa 360

aggagattag actcttctgg gcaatgtcat cgangcaaaa caaagacnga aattggtcat 420

actaagantg aaaaaccttt acaaaaa 447

<210> 16693
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-011-Q1-E1-E7

<400> 16693

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gggtttgtta tatacgaaga cgttgctctc ttgttgcatc agcatttacc taatggtaac 120

ttaactcagc tgattcatga gtccaccaag aaaccagagt accaacctga ctggccaatg 180

agactgtcca tagctgttgg agcagcagaa ggtttagcat ttctccacca agtcgccatc 240

attcacctcg acgtttcctc tagcaacgtc ttgctagact ctggttacaa agccgtgctt 300

ggggaaatcg aaatatcgaa acttctagat ccctctagag gcaccgcgag tattagctca 360

gttgcaggct cttttggcta cattccacca agagtatgca tacacaatgc aagttacagc 420

tccggggaat gtttacaagt tatg 444

<210> 16694
<211> 447

<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-011-Q1-E1-E8

<400> 16694

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cacacgaaaa actctgttgt aagtcttgga aaatctccat cctacaagga agtagcattg 120

gcaccacctg gttcaattgc taagtatcaa gtctgggttc cacaagcgga agtttcagat 180

aagcaagagg atgatgagat ggagaaaaaa actgaacagg gtacatcaat ggagcttaca 240

agggatgagc aaatgataac agggttagag gaagaggtaa aaaaggaaat ttctgcagac 300

ccagaatcta acataaccca aggcgaagaa gagatcaaag tagagttaca accatctgaa 360

ggagtactcg gaggaagtca tataaatgaa aacgacgaat ctgggggtgg aattcaggtt 420

gaagaacaag tcgaagttga attgata 447

<210> 16695
<211> 280
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-011-Q1-E1-F10

<400> 16695

ngngtnnnng caacttcttt tnggntcgcc acgggtccan caganccccgg gnccacccac 60

gcgtccgnat ttgaaagaaa agaaggtttc tcatgagttt gtgagctcac ggtgaaagtc 120

cataagttat atatagcttg atttgctttc ttacagttgt tttgatatga cggatataca 180

gaactcccat gtaatgacgt accacagttg cgcataacgt ttgaacgctt ttattgatct 240

atataatgga ccttaaatca aaaaaaaaaa aaaagggcgg 280

<210> 16696
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-011-Q1-E1-F12

<400> 16696

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gcgtccggat cngacgggtg gtgtctgatg aggcaagagc tatgtacaat ggtggcgtgg 120

ccggtctgac atattggagt ccgaatgtga atatcttgag ggacccgcgg tggggccgag 180

gccaagaaac tcccggagaa gatcctatcg ttgccgcaaa atatgccgcc agctacgtcc 240

ggggacttca gggtactgct gccggtaacc gccttaaagt cgccgcatgt tgcaaacatt 300

acactgctta tgatcttgat aattggaatg gcgtcgaccg tttccacttc aacgctaagg 360

taaatcttct tcacatatta tatatatcta atatcgtata tagtaagaaa atattttgca 420

atttattatc aaatttatat aaccaatttt gcatgttttg tttcaaagtt tgtatgcatg 480

tttcatttca aaattanatt ttt 503

<210> 16697
<211> 513
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-011-Q1-E1-F2

<400> 16697

gntnnngnaa cgtcnttccg ntcccacggt ccanaaatcc cggggncnac caagcctncg 60

gnncaccgga nctaaancnc nattagggct ttcgatggct tctccaaaag ggattttcga 120

tagcaattca atgagtaatt caagatctgt tgttgttgtt cgtgcttgtg tttcnatgga 180

tggatctcaa actctgagtc ataacaaaaa tggatctatt cctgaggtta aatccattaa 240

cggtcacacg ggacaaaagc aaggaccttt gtctacggtc ggaaactcga caaatataaa 300

gtggcatgaa tgttctgttg agaaagttga tagacagaga ttgcttgatc agaaaggatg 360

tgtgatttgg gtcaccggtc ttagtggttc agggaagagt actttggctt gtgctttgaa 420

tcagatgttg tatcaaaagg ggaagctttg ttatattctt gatggtgata atgttaggca 480

tggcttaaac cgtgatctta actttaaagc tga 513

<210> 16698
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-011-Q1-E1-F3

<400> 16698

cgataacgaa atcatcagat cgccagaaaa aaaaaaaaaa aaattgcgaa atggagaatc 60

tgagctgcag atctgcgtca atctccatct agatgttgtt gctacttctt cctctataga 120

accataattt catcagatct cgctgattaa tcatccccat ttggatctga tcgaaactct 180

tagggaagaa catggcagga gctgcctccg cgctgtttct gcttgatatc aagggacgcg 240

ttctcgtctg gcgtgattat cgtggcgatg tctccgctgc tcaagccgag cgattcttca 300

ctaagctcat cgagaaagag ggtgattcac agtcaaatga tccaattgct tacgataatg 360

gggtgactta tatgtttgta caacatagta atgtatactt gatgatagca tccaagcaga 420

attgtaatgc tgccaatcct cncctccttc 450

<210> 16699
<211> 53
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-011-Q1-E1-F5

<400> 16699

agancgtacc attcacagta atcgacaagg agaaagttct cagaggncgg tta 53

<210> 16700
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-011-Q1-E1-F9

<400> 16700

nnnnnnnngn aantgtttat tcctgcccgc naccggtcca aaaaatcccg ggtccaccca 60

cgcgtccgaa agtctagaca atgaatagct cgatgacgac gagtccaacg gctcgagcct 120

tccttcatct tcactcgtca ccattcactt tacgttcgag aaagtcaccg tctggagttt 180

gtctagtctc gtggccgcct tctcggtctc gcaggactcg acgactcgtt tgtatggccg 240

aaccttacct cattaggaaa atggagtctg ttgagaagac atggaaggag ttatcggtga 300

aactagctga cccagatgtt gtttcgaatc aatctgaata ccaaaaactg gcacaatcca 360

tgtcggagct tgacgaggtt gtaacagtct tcagaagatt caaggactgt gagaagcagt 420

tactagaaag caaagttttg gcgaaagang ctggagatga tgaagatatg ggctgaaatg 480

ataggaagtg aaatcaactc gcc 503

<210> 16701
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-011-Q1-E1-G1

<400> 16701

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cttatcgtaa ctcctgcttc cgatctcgat ccaattttca cttttgtttt gtccgaacgg 120

taaatcattt cgcggctttt ttttttttta agggaaggag gaataagcaa attttgattt 180

gattccgttt ttttgggggt gttagtgatc ttttagatga agtaaagaaa ttttgattat 240

tgaggggatt atgtgagtta tggtatcatc ggcaactata ttgcggatgg tagcaccatg 300

ttggaggcga ccttctgtta aaggagatca ttctactana gacgctaatg gtcgatgtga 360

tggtcctctt tggtataaag attctggtaa ccatgttgcc ggagaattcc caagtctgta 420

atcaagctaa taatcctctc caagaa 446

<210> 16702
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-011-Q1-E1-G10

<400> 16702

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cgtccggaaa ggggaagcaa ataaattatc gaagcccact ggtttcggag ctgatcggtc 120

tctatttctc tcttcataca tatctcaagc agataaagtt gatcggatac tagaatggga 180

ggaggattta gagttttgca tttggtgagg ccattcttgg cttttctgcc tgaggttcag 240

agtgctgata ggaaggttcc attcagagag aaggttatct acactgtcat ctctctcttc 300

atctttcttg tctgcagtca gcttcctctt tatggaatcc attccaccac cggtgcggat 360

ccattctatt ggatgcgtgt cattcttgcg tccaaccgtg gaactgtcat ggagctcggt 420

attactccta ttgttacatc tggacttgtg atgcaactct tggctggttc caagattatt 480

gaggttgaca acaatgttcg 500

<210> 16703
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-011-Q1-E1-G12

<400> 16703

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tgcgtcgagc tttgcgatgc agctactgtt gtagatgttt atcgtctaat ccagtacgat 180

atctctggtg ttccttttgg ttctcgtttc tcttctctta atcatcatgc tgcttctctt 240

agcttccaac gtggtgccga tctatctcgt tctgtactta tacttcctct tcgtgagctt 300

gacattgctt ttgttcaaga ttacatctcg caaaagcagt cgcttggtgg attgttgatt 360

ttgcttcctc agacgtttag gcctgggaat gttggtggtg gaagtttaag ctctgaaaat 420

gatgggttta 430

<210> 16704
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-011-Q1-E1-G4

<400> 16704

ggnnnnngnn catcnttccg ttnccacggt ccacaaatcc ggggtcctnc ttcctctgat 60

acccccagaa aaaacctagc tccttccctc atttcccccc aaatctcacg acttatttat 120

gctcgggggа gactaatcaa aggtcaaaat ccattaggga gggaatcgaa tcncgatcga 180

tctcaatttc ttctgagaaa agaaaaaaat gtcatcggag attgaggtgg tggaagaaat 240

ccaatcgaat cccaaggaga atggggaatc gagttctaaa gggattgaag aagagagctt 300

gaagaacgat gtctatactg ctgccgctta tggtgatttg gagaagcttc atagattggt 360

tgagtgtgag ggttcctctg tttccgagcc tgatgctctt ggctactatg ctcttcantg 420

gtctgccttg aacaancgcg tcgccgttgc ccaatacctt atcnagcatg ggtgggagat 480

ttaacgcgan ggattatact ggacanactg catt 514

<210> 16705
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-011-Q1-E1-D9

<400> 16705

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cgtccgcaca cgcgtccgtt ctctctgaag acagtacttg tttctgtccg gcgttaaaag 120

cttcggtggt ggtctcttga cttctctgag aagaagaaaa ggaagctgag tctcatttta 180

gattcagctc acgaggaagt gacgacgatg tctcattcta gaagactttc gttggaacct 240

gctatagatt caatcactgg tcgatttcgt gatttacaga gaaatgatga tgacgtcaac 300

aaacctgatt ttcgagaact cgatctaggt tctcctgttt ctaccttaat gccacgtggc 360

tctgcttctt cttccgctgc tgcgactcct actagcagct ctggctcttc tggctctgct 420

tctggtaaac cgtcggtgag ttctcagatg gctaaacggt tagatgatgc ttacaagaat 480

cattccggtg agctttc 497

<210> 16706
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-011-Q1-E1-B11

<400> 16706

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gatcaaatta tatatcatga tgtttcataa tatttctgtt tcctagacna ntaaagtgta 120

tcaatgcgga gttggctagc tttcttctga cagcgatggc ttccttagcg tcgtcttggt 180

cggcaccact ccggaagcag tagcttacat agtatcgtct tgaccggatt tcgggtttgt 240

ctccgccgtt gttatgtttt tcttccagtt gtttatttac ttacaataaa ttttattagg 300

gatgtgttga taatatcgat tgaagcgaat tatcgcttaa tgaagtgtat tattcgatgc 360

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actcttat 428

<210> 16707
<211> 516
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-011-Q1-E1-B2

<400> 16707

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ggnacagccn tcngacccaa caatgtctcn cctcctacga actttgcctc tccgacctac 120

tcgtttcctc tccgccacag ccatatccat ctctaacgct actaatttct tcgtcgnacc 180

caaacggaca aacccacttc ccggaactcg aagaaccttc tccagttccc ctgttgcagc 240

tgcctccggc gatgtagtag tgaagccggt tccatctcct ccgtcggttc tccggtgggt 300

gtcacggaca gagctatgcg gcgagttatc agtcaatgat gttggtaaaa gagtccacct 360

ttgcggatgg gtcgcccttc accgagttca tggtggcctc actttcctta atcttagaga 420

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gatcaatgac atgaggcttg agtacgttgt tttggg 516

<210> 16708
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-011-Q1-E1-B3

<400> 16708

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ttttttttgtt ttatacatag tttctgactt ttgacggatc tctctttccg cttagtcaga 120

ttttaataat tttcggttta gcttggttcg tttccggtta agatcggatt atttttagtt 180

ttatttttttt tccctctttc tacaggattt cagtgtaaat cccgcttgct gtcaattggt 240

ttctttcatg ttcatctgtt ggcttgactc ttctccaaag ttagagtaat atcttcgccg 300

taatgtcttc gtcgttatgc gaagtggacc tctctatcgg tcttgggcgg agcttcntcc 360

tttgaagttg ggggttgaga tgaaagatct acaaaatccc ctaatactca aaggngggaa 420

acaacatacc caaattgatt tgtgggcggg 450

<210> 16709
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-011-Q1-E1-B5

<400> 16709

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tctcctaagc ctctccaaaa cacaatctct acacaacaat tctcagcatc atcttcataa 180

ccatcatcaa caaaatcacc ctaaccaaac ccttcaagat tctctagacc ctctgttccc 240

aagccttaca aaataccaag aacttcttct agacaaaaac agagcatgct ctgtttcgtc 300

tgatcattat cgtgatacct ttttctgcga tatcgatggt gttttattaa gacaacattc 360

gagcaaacac ttccacacgt tcttcccttа cttcatgctc gtggcttttg aaggaggatc 420

gatnatcaag agcgattctt ctcttng 447

<210> 16710
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-011-Q1-E1-B8

<400> 16710

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catttgcacc caaagacgaa cacgaggcac aggtgcaatt tgctctggaa cgtggtattc 120

ctgcaatgtc aatgttatgg gaaccaagag attacctttt ccaggatctg tttttgacct 180

tatccattgt gctcgttgta gagttccttg gcatatcgaa ggtggtaaac tacttttgga 240

gttgaaccgt gcattgaggc cgggtggttt ctttgtctgg tcagcgactc cagtctatag 300

gaagactgag gaagatgttg gcatatggaa agctatgtcg aagctaacaa aggcaatgtg 360

ctgggaactg atgacgatta agaaagatga actgaatgaa gttggtgctg ccatttacca 420

<210> 16711
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-011-Q1-E1-B9

<400> 16711

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tttggtctct gcatttgcaa tatatttaaa atggcagcag ctttcttgaa tcttggcggc 120

tatgttttcg ttttcttctc ttcgttctta gctatagtgg ccccacaggt tcgaggcaat 180

gttgctgtct ttgatagcta ctggacgcaa cgacaaagtg atgcattgaa acaaaccatc 240

ggctcttacg atcctcatcc acttaacgtc accaaccatt ttaattacca tgtcaatata 300

gcagtggatg catcggaatc aaggaacgat acaaggagag agcttactca ggtgagaagt 360

ggtcgtaaaa cgcacaaaag cagcggaaaa tgcctagctt ataacccgat agacaactg 419

<210> 16712
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-011-Q1-E1-C10

<400> 16712

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ttcttgtgtt gtgacgacaa gctgtttcta tacaatttca gattctagta nacgtttgaa 120

atcccccaag ctcctcaatc tgagtaacca gcagagaaga cgctctctta ggtctcgagg 180

tggtttaaag gttgaagctt actacggtct aaagacacct ccttatccac ttgatgcttt 240

ggagccgtat atgagtagaa gaacactaga agtgcattgg ggaaaacacc atcgaggtta 300

tgtagataat ctgaataaac agttagggaa agatgataga ctctatggat acaccatgga 360

agagcttatc aaggctacat acaacaacgg gaatccttta cccgagttca acaacgctgc 420

acaggtctat aa 432

<210> 16713
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-011-Q1-E1-C4

<400> 16713

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aagatttgag aatgcggttg tcaaggcaga gagagctgcg atgcttgatc naaccaatcc 120

tgaggttgta tcagttttaa acaatgtgaa gatggttgtg cgggcacgta ctcgtggtaa 180

tgagctattt agttcgggga gattctcgga agcgtgtgta gcttatggag acggtctcaa 240

gcaagatgac tccaattcgg ttttgtactg caacagagca gcgtgttggt ataagctcgg 300

tttgtgggag aaatctgttg aagattgtaa ccatgcgctc aaaagccagc ctagttacat 360

caangcactt ctacgtangg ctgcttcata tggaaagcct tggtaagtgg gaagatncgg 420

ttaaagatta tgagttcttg agaagagaac t 451

<210> 16714
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-011-Q1-E1-C7

<400> 16714

cagtaggctc caacttgagc aatcttgaga gtggaaaagt ttatcaagat aatcatcact 60

cagctgtgga gaaacctgtt ttggtccaaa atacagtaag tagggaacaa atcgatcaga 120

ttactaacat ctcagcatct ctagcgcagt ttcttgcaaa tggtcagccc attccacagc 180

ttgaacaggc attgcagctg cctctgcatt cagaatctgt tcaaccaaat caggctacta 240

ctcaaagtaa tgtagtgagt agtaatccaa atcagctatg gggattaggg atgagcactg 300

gcgctgaagg agtccccgcg gttactgcat caaagataag caatgtcgaa gagattcaag 360

aagtatcgct agatccaagg aaaacgggga caaaaagact 400

<210> 16715
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-011-Q1-E1-C9

<400> 16715

caagaaaacg aaaggaaaaa atacagaaat gggtggtttg aagtttcatg tacttatgta 60

tccatggttc gcaacaggcc atatgacccc gttccttttt cttgccaaca aattggctga 120

gaaaggtcat acggtcactt ttttgattcc caagaaagct ctgaaacagt tggaaaatct 180

caatctgttt ccacacaaca ttgtctttcg ctctgtcacc gtccctcatg tggatggtct 240

ccccgttggc acagagacag tctctgagat ccccgtgaca tcagctgatc tcttgatgtc 300

tgctatggat ctcacacgtg atcaagttga aggtgtggtc cgagccgtgg aaccggacct 360

gatcttcttt gacttcgctc attggattcc agaggtagct agagactttg gccttaagac 420

tgtaaagta 429

<210> 16716
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-011-Q1-E1-D1

<400> 16716

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gtttatatct cagaaaatgg caaaaatcgt gatattattt gatttcgatc ggactttgat 120

cgacggagat agtgacaatt gggttgtcac tgaaatggga nncncagaga tcttccatca 180

gctccgtttc actttaccat ggaatcgtct tatggatagg atgatgatgg agctacaatc 240

acaaggtaga tcgattgatg acattaaatc ttgtttgaag aaaatgccta ttgattctca 300

tattattgaa gctatcaaat cagctaaatc ttcaggatgt gatttaaagg attgtgagtg 360

atgcaaatca gtttttcatt gagaagatac taanagcacc atgatttggt gggattgctt 420

ttctgagatt tacacaaatc caacctctcc tgatgataat gggaacttgc ggatctgcct 480

tancanagtg atgcantgcc c 501

<210> 16717
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-011-Q1-E1-D11

<400> 16717

atccagattc cgatcanagc atatctgagg aagaagaaga anatgatatt tcgccgaagg 60

agaatgcgaa ggaacaagag agaggantac tacttcaaac anagctcgaa naactcatag 120

gttgtggtga gctaaattat gctagggaaa ccggtgatgt aactctggaa ncaactctac 180

ggaagatanc atcctctctt gaanatgtgg tcnaagttcc tgactccccc gaggagagtt 240

atatttcttc ttccagaaca antggattac catgcatatc tgctcaggaa aatgggtcan 300

atgatgagat tacacatgat gaacaaagtt gcaaattggt ctgctataag tnaaagaaan 360

caagtcacta atccatttga atggtgttgc ttcagtcgca tcatcccatc tatcg 415

<210> 16718
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-011-Q1-E1-D2

<400> 16718

gnnnnngnaa ngttttcctg ccccacggtc caaaatcccg ggnccnacca acccttcnnc 60

ncaanctcta ggtgacttaa gagtaaaaaa tggtagaggc agaggttgaa gtagatgtgg 120

aaatcaaatc tacggctgat aagtttttca tgttctctag aagatcacaa catgcctcca 180

aagccactcg ctatgtacag ggatgtgatc tgctcgaagg cgagtggggc gaagttggaa 240

gcatactctt gtggaaatta actgttgatg gagagccaaa agtgtcaaag gatatgattg 300

aggcgattga tatgaagatg aatatgatcc agtggagggt gttagaggga cctctgaagg 360

aagagtacaa tattttctcg aaaacgatga aagtaagccc taagcaagga gggtctggaa 420

gtgtggtgaa gtggaacttg aagtatgaga gaattgatga gaaggtggct cacctagaga 480

ngctccttca gttcttcgtc gaatgtgtta acga 514

<210> 16719
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-011-Q1-E1-D7

<400> 16719

aatcaacaac agcgacgact gcagccgtgc cgagcactca tctcttcttc tctctcagtc 60

tcgctcgcca tctccgtgga gatcctcgga catggtcatg agatcgtaag agagaatctt 120

caaaaaattg aaattggaaa tcgataagct aggagctaag gagaaatgtc ggggaaactt 180

tggatcccga gatttattct catcactcta ctgtttatta gctcacgagt taactctcaa 240

tgtgaattca gtttcactgg acgcaacaag gtctttcatt tcaacctaag catcttcgat 300

tcggaattat cctcacggtg tgctcagcga agatgggttt tataaagtgg aagcgaacag 360

ttccgtgtta tggtttcagc tttgtgacgt gctgattttc aatcatgatc ccctcgatgt 420

gttggttgcg aagatgtgga ggtcc 445

<210> 16720
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-011-Q1-E1-B10

<400> 16720

tcgaagtggt cttcaaatct ccggcggatg gtaatcgtcg gcggatggtt tagactttag 60

agataacaga agaagacctc atctttagag tccggagcga aattaatggc ggccatagct 120

cgtcttccac taactcattc tcttccctcc atcttcaatc cttcatcctt cctctctcag 180

tctctctctt ttcctactta tctccatcgc tctcctttc gctccttctc ctccgtctct 240

ccaatcctct gcacctccca tcgcgattcg agatcgccgg ggagtgattc taatgcgtcg 300

attgttgggg atcttctgga ttatcttaat gaatcctgga cacagtttca cgccactgct 360

gaggcgaaga gacagctttt ggctgctggg ttttgatccc tcag 404

<210> 16721
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-F3

<400> 16721

tgagtgatgc tattaacgat gaaggcaagc gcatagagaa tctggtcaga gggatatttg 60

ctggaaacat ctttgatctg ggttctgcac agcttgctga ggttttctca aaagacggca 120

tgtccttttt ggctagctgt cagaacttgg tttcacgacc atgggtcatt gatgacttgg 180

ataactttca agctagatgg ctcaagaagc cttggaagaa ggctgtgata tttgtcgata 240

attctggtgc agacataatt ttgggtatct tgccctttgc tagagaaatg ctacgtctag 300

gaatgcaggt tgtactggct gctaatgagc ttccgtctat caacgatgta acttatatcn 360

nagcttgcan agatcttgtc caaacctgaa tgangaaaat ggacaattga tgggtgttna 420

aaccccaaat cc 432

<210> 16722
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-F8

<400> 16722

gcccacgcgt ccgcacggan atggtgtatt tttgagtggt tctacagtgc aattgactat 60

ccatggtttg ccagacaaga gtttgttgag tatttggatc angtnnggtt gggtcatgtt 120

cctanattaa ctcgcgttga atggggtgtc ataaggagtt ctcttgggaa accaatgcga 180

ttttctgaac agtttttgaa ggaggaaaaa gaaaagctat acctatacag ggactctgta 240

agaaaacatt atgatgaact aaacacgggc atgagggaan gacttccaat ggatttggcc 300

cggcctctaa atgtttcaca gagagtcatt tgcctgcatc caaagtcaag agagattcat 360

gacggcaatg tcctaactgt tgatcactgt angtaccgga ttcagtttga caaccctgaa 420

ttaagggtt 429

<210> 16723
<211> 513
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-G10

<400> 16723

ngngtgggnn ntnnnggcan ttntntcagt gtcgncaggg ccggtnacgg tcanaggccc 60

ccgggncgac ccaagcgtcc gaggacgcgt gggttgaagc taaatctctc tctctctaac 120

tacctctgtg gtacagagtc tccgtgttct aaaagctttg agaccatctt caatttcaca 180

gagaaaaaca naacaagcaa ggagaagaaa catgancatc ttcactaaga aacctaatcc 240

cagagaagtg cttcgggaga gtaagagaga gatgacacaa gctaccagag gaatcgaaaa 300

ggaaatcgga tctctgcaat cagaagaaaa aaagctcgtt ctcgagatca aaagaactgc 360

taaatcaggc aatgagggag cgactaagat tcttgctcgg caattgatcc gtctaaggca 420

gcaaatagct aacttacaag gtagccgagc tcaaatgcga ggcattgcta ctcatacaca 480

ggctatgcat gcacacactt cagttgctgc tgg 513

<210> 16724
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-G4

<400> 16724

taagcttatt gctaganaag gtgaccaggt tctgatcaaa gtcgttaatc aagtgccaaa 60

caacatctct ctccactggc atgggatccg gcaattacga agtggttggg ctgatggtcc 120

agcctatata acccaatgtc ngtattcaga caggacaaag ctatgtttac aactatacca 180

ttgttggtca acgaggcact ctgtggtacc atgctcacat ttcatggcta agatcaacaa 240

gtctatggtc cacttatcat ccttcccaaa cgcgganttc cttaccccgt ttgctanacc 300

tcacaagaga agttcccatg atcnttgggg gagtggttca ncgcagacnc tgatgcaatc 360

atccgccaag caacccannc angacgtggt cccaatgtct ctgatnctta cccngataaa 420

ctggcntcct ggtcattata caatcg 446

<210> 16725
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-G6

<400> 16725

ggnttggngg cgcttcttct tagncggtcn gtacggaact nacattcgcg cggccgaccc 60

acgcgtccaa ggacgcgtgg gcggagtttc gtccgggaat ctcctagatg gcttatcgta 120

aagggtcgta aagaagaagc cgtctcaatt ctccaaagca ttgcttctaa tgcaatcact 180

atgagcttca caaacttatg ttttgaagta gaaaatgatc aatccaagtc aaatcctgat 240

gtttatgatg cgttaaagat cttggtgagg aaaagttggt cgtttagaag attattagcg 300

gcaatggtgg ttggattcgg tatcggtatg gtttattatg gaatgccatt agctttaacg 360

aatctaaact tcaatcttta cttangggtt gtgttcaacg ccttgtctga gttcccagct 420

tttctgataa cgtttttctt cattgataaa atcantagga gagatgcgtt gatcggattt 480

acagctctaa gtggaatctc tancc 505

<210> 16726
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-H1

<400> 16726

ggntttngca attcntcnng gntnnccacc ggtcanaana tcacgggccg nccacgcgtc 60

caaggacgcg tgggaaaaaa aatcaaaaat aaactcttga gcgatgagca accacctctt 120

accaccggag aacaagatcc cgactctcaa cttcgaccat ctagagattt tctcagccct 180

tggacgtgga tctaaaggag ttgtgttctt agtaaaagcc gataacaaat ggcttgcttt 240

aaaagtcata ctaagagaat caatcgagtc aaagaaggcc aaagatgagt acaaacgcat 300

aagtttcgaa caaggagtgt tgtctcgatt cgaccatcct ctgtttccac gtctcatggt 360

gttatatcca ccgataaagt tatcggttac gccattgatt actgtcctgg aagagatntc 420

aactccttta aggaaaaaac agtcgggaag aaatgttttc cgatggagat tattanattt 480

taacnccggc ggancctttt nattgcnc 508

<210> 16727
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-H5

<400> 16727

caatgaaagg cgtctcctcc aaaaaccaaa aagttattga atctctctct ggctgattga 60

ttaatggctg aggagaccgt acgtttgcct aattcgccgg atgtaaacat atcatggaga 120

aggatttcta ctggaaaact gagtttttta tacactcaag agaaagttgt tcctaattat 180

ctcagatctc ccactggttc ttgtcatgat gcttgtaaat acggaaggaa agatgaatct 240

gaagacaagc caagagttcc acatcgcaaa anggttaaca aaagcttttc ctgganctaa 300

aaacttggat tcaacactga aggaagaaag gaattgacaa aaccgnctgt tgantccctc 360

cncgtaaaat gtgaatccgg ttgggtngcc tttgatnatt ccnaanganc caaagttnag 420

naacctttcc aacnggantt ttggtgaang tt 452

<210> 16728
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-H7

<400> 16728

gnnttgnggc atttcnctgc gaaagcctag tngtctgnaa ntcttcggcc ctcgaacgac 60

tcgaaaagct cngnnnnata ctttncngta ncatcntatc tctatctatt tatacaaacc 120

cttttcatct ggcatcttca gttcagtana atanannaaa gcatctaacg aattttacaa 180

gtaagtgcgt ttatgagtga tacanggata tcagcagtag cagttgctgc tgctgtagtg 240

gtggtaacta cggttacggt atggatatgg aaaggtctga atgtagcttg gcttagacca 300

aagaaaaatg aggcttatct aaagagacaa ggtctctctg gaactccttt caccttttctt 360

gtcggagaca ttaaaaggga agccagtatg gtggagcaag aaaagtccag acccatcaat 420

ctaactgatg attacacgca tcgtgtcatg cctctgatac aacagaccgt taaggatnat 480

gggaagacat cntacatgtg gattgg 506

<210> 16729
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-H9

<400> 16729

taaacnctcc tgcnggacgg tntaggtcan aagnncccgg gtcgacccac aacgtccgat 60

gattcttctg ctcggttctc gccggagaga agacacggag aagagggttt tcgaaaagga 120

ggatgagagg ttccaataac accgatctat ttgaccctaa gacggagatg gattccaatt 180

tctctcgcca tggttcttcc tccgaaggtg attttggttt cgctttcaat gacagtaact 240

tctccgatcg tttgctccgg atcgagatct tgggtgggcc ttcggattct aggtctgatg 300

ctgaaggatg tacgagtatt gccgattggg ctcgtcatcg caagaggaga agagaggaca 360

acaagaagga caatggtgtt gcgatttcag acattgtggc atgtgctgaa gaacagattt 420

taaccgataa caaccaacct gatatggatg atgctcctgg tggtgataat cttgacnatg 480

aaaggaga 488

<210> 16730
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-011-Q1-E1-A1

<400> 16730

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tttgaaccat cnaggctcgc gaaaccgggt atggtgaaaa ccatgttctt ccgctggatc 120

cgtctcgaag atgttatcgg ctttgatagc aaagacacct cttcgcgaaa tcttgaacat 180

cnaaaactgt tgggagattg gtcttgatgc gataaccgga tataacgaac cggttaatga 240

agttggtttt caagtattgt tccttctccg gcgcagcaaa ncaacactgg gacgttgccc 300

aataantcaa gatttttcaa agntaccttt tggggaaaag ttccaaaccg cctttnnaat 360

ttcnccnaaa tttccnaaac aaagntttaa agtgggnagg ggaagggcna ataaccctng 420

gaacctnaac cc 432

<210> 16731
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-011-Q1-E1-A10

<400> 16731

nnnnnnnngn aacntctatt cctgcncgcc ancggtccga aanaatcccg gggtccaccc 60

acgcgtccgc aagcaataag aagttcgaca atgatgtttc acttgaaata atagcaatga 120

gaacacctgg atttagcgga gcagatctcg ctaacctctt gaatgaggct gctatattgg 180

ccggaaggcg agcacggaca tcgatatcat ctaaagagat tgatgactcc attgatagaa 240

tcgttgctgg catggaagga acagtgatga ccgatggcaa gagcaaaagc ttggtagctt 300

accatgaagt tggtcatgca gtgtgtggaa cattgactcc aggacatgat gctgtgcaaa 360

aggtaacgtt gataccaaga ggccaagcaa gaggtctgac ttggttcatt ccatcagatg 420

acccgacact catctccaag cagcaactct ttgcaagaat tgttggtggg actcggtggt 480

aaggccgctg aagaaatcat ctttg 505

<210> 16732
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-011-Q1-E1-A4

<400> 16732

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attctcaaaa gtctttgtgc tcaagaatta ccaattttgc atatatatgc ngaagatcaa 120

ctccattttt atctctaatt aggttcttga tgtgttaata gaggcaaatc cagaactctc 180

atttacattt gattcatcca aaaccacggc gcttcatacc gcggcttcac agggtcatgg 240

agagattgtt tgtttcttgt tggataaagg tgtggactta gctgctattg cgagaagcaa 300

tggtaaaacc gctttgcact ctgcagctag gaacgggcac acggtgattg tgaagaagtt 360

gattgaaaag aaggctggta tggttacaag agtcgacaag aaaggtcaaa ccgctcttca 420

tatggcggtt aaaggacaaa aacactgaga t 451

<210> 16733
<211> 60
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-011-Q1-E1-A7

<400> 16733

accgatccta catncttagn ctcatcacgt ttgcagattt aacaattctt gagttcacca 60

<210> 16734
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-011-Q1-E1-B1

<400> 16734

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tgcacagagt ggaatgtatg aagatgcttt gagaatggtt agggagatgg gaactactga 120

cttaaagcct gattctttta ctttgtctag tgtgcttccg atattttctg agtatgtgga 180

tgttattaag gggaaagaga ttcatgggta tgtgattagg aaagggattg atagtgatgt 240

atatattggg agtagtttgg ttgatatgta tgcgaaaagt gctcggattg aagactctga 300

aagagtgttt tctcgcttgt attgtccgga tggtatctcg tggaactccc cttgtagctg 360

gggtatgttc aaaatgggta gatacaatga aggccctgag aattgttcaa gcaaatggtg 420

aacccaaaag gttaagccaa ggg 443

<210> 16735
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-010-Q1-E1-F2

<400> 16735

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gaagaaccaa gatggagaga gcttgagtgt agcgcattcc caggcgtggt tgtaccgcct 120

ccaagactag accatgtggc tgtgagcatg ccgtgtggta gggtcatcat ctttggaggg 180

tcgattgcag ggcttcactc tccttcgcaa ctgtttctaa tagatcctgc agaanagaaa 240

ccgtcatgga ggatcctgaa tgtccccggg aaaccgccta agttagcttg gggacatanc 300

acatgcgttg ttggaggaac tagagtattg gtccttggtg gtcacactgg tgaggaatgg 360

atactcaatg aattacatga actctgcttg gctagccggc angactcgga tctgtnanag 420

actctttcct tcttcatttg gtttgtggtt ttgtnnctgt cacattccaa actcttacca 480

catntaga 488

<210> 16736
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-C1

<400> 16736

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ctctcgccgg cgctgcaaat ccctaggttt ttcaatcaca cccaaaacat ttgtagagcc 120

ccaagtactc aatttcgctt attgatagag agagagagag attgagaatc gcgatttgat 180

tttatcaatc gatgccgtga aaatctcgta atcagattca aaattgagga tggttagctg 240

ctaccgtaat ccttgcgtga agattgagaa gaactaattt tggtttgtga gcaactttcg 300

aatcagctct gttagatttg atttgaactt ttatttgaan atggatcggt gtgacanctc 360

aggatttgta agcggcggtg gaaatgctta aaaagncctc caactcctaa tagagctgtg 420

gnttaatctc ctaaaccggg aattt 445

<210> 16737
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-C3

<400> 16737

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aatcatcttc catggcttct gattcccaac actncaaact gttactacac ctgaaaagcc 120

attggagaat aaggtgagcg aggaagctaa gttgatggan aaagagatta tttcgtcgga 180

ttctgcagat gtggtgaatg ataaaccggc atcagattca aacccggtgg tcaccaaaga 240

agaggagatt gatcaaactc ctgctggtga accagataaa gaatcaccan cantggtgga 300

agaggttgga gctgttgtga aagcanagga atctacagag acagtgaagc atgagaacng 360

tgagaaggga nctgaacaaa gttggaactt aaagagcaat ccttgttaaa naaactgttg 420

canaanttaa agttnaaact gttgntacc 449

<210> 16738
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-C4

<400> 16738

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atgatgattt taaatttccc ttttcgaata tattcgttta attgtctctt tatataatta 120

acagtttttg ttaatgggaa tcgcaggtaa cgattgagaa gaatctctcn tttctccact 180

gagagaatca cattctgaga gatcagacaa gaagaaacaa tggtggaagg aggaattgcg 240

aaagcagaca aaacagagtt cacagagtgt tggagaacaa catggaagac accttacatc 300

atgcgacttg ctctctccgc cggaatcgga ggtcttctct tcggttacga taccggagtc 360

atttccggag ctcttctttt catcaaagaa gattttgatg aagttgataa gaaaacatgg 420

cttcagtcaa ctattgttag tatggcagtg gctggagcca tcgtcggagc aacagtcgga 480

ggttggatna atgataagt 499

<210> 16739
<211> 245
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-C7

<400> 16739

cacgcgtccg cccacgcntc cgcccacgcg tcgggctaac tttcgattcc ttatccacna 60

aatctagtta attatctatc tccctccacc aatgntgaca cacagttnca tcaggtanac 120

aaaatgatgc aacccaatgc nnaacttttg tccccatccg ctaaatttct accgtcacct 180

atagatccac cgcaananaa ccgtagaacc accgtatgag cacctcngtc attggaanna 240

aactg 245

<210> 16740
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-C8

<400> 16740

gcttgtttgt tttctctcct ctaagaaaca atcagtctca taaagtggca aagatggttg 60

cagaacgata cacagtcgat ttgaataagc cacttgtgtt tcaggttggt catcttggcg 120

aagaatatca ggaatggatt catcaaccta ttgtatgcgt tgagggtcct cgtttttttc 180

gaaagtgatt tttgggagtt tttgactcgc acggtttggt gggcaatccc aacaatctgg 240

cttccagttg tttgctacgt tctttcaata tcggcgagta agggacttac gtttccccag 300

atcggtttaa tagttgcttt tggtgtactc acgtggacac tgctcgagta cacgcttcat 360

cgcttccttt tccacatcca aaccaagagt tactggggca aacactgcac actancctcc 420

tcatggatgc c 431

<210> 16741
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-D11

<400> 16741

nnggngngnn tnnnggcaac ttnntcgctg gtcgtgnccg tcnnnaaatt caagggtcca 60

cgnacgcgtc cgnnaaaaga ttgccagaga tgttttagat aaactgaatg ctacaccatc 120

tagggatttt gatggtatgg tgggaattga agctcatttg agagaaataa aatctttgct 180

agatttagat aatgttgaag ttaagatagt tgcaatcgct ggtcctgctg ggattggtaa 240

gactactatt gccagagctt tatatggttt actctctaaa aggtttcaac ttagttgttt 300

tgtggacaac cttaggggaa gctatcatag tggttttgat gagtatggtt ttaagctgca 360

tttacaagaa cagtttcttt caaaggtttt gaaccaaagt ggaatgagaa tatgccattt 420

aggtgcaata aaagaaaatc taaccgacca gagagtgctc atcatccctg atgatgttga 480

acaagtttaa gcatttggng gcttt 505

<210> 16742
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-D4

<400> 16742

ttcttcgaat gttgaagaaa acctaaaccc agaaacaaaa tccgcagaag aacaaaaccc 60

acttgccatt ttccattctt ctctaccaat cgcatctctt tctctgacct tgttcccatc 120

ctcgactcaa tttctcaaat tgtttgctca tcatccaaac aaggttaaga tccctacgca 180

ggcttcttct ctcactcatc tctctctttc ttctgtctct ccttttcctt cttccagaat 240

ctctttcaaa tccaccatcg ctgctaaccc tcttcaatcc cctctctcca tcgtccctcg 300

tcgtcccgtt gatccttcct ccgccgccgc tctccgccgt gctgctgtcg tctggttccg 360

caatgacctc cgtgtccacg acaacgagtg tctcaactcc gccaacgacg agtgcgtctc 420

ccgttttgcc gttttaangg g 441

<210> 16743
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-D5

<400> 16743

aaatcaccat taacgttgct cacacttctt actatttgtt ttggattctt cgatctcagc 60

agtgctcttt atggatcttc gtcacctgtg gttcagctca ctgcttctaa ctttaagtcc 120

aaggttctta attcaaatgg agttgttttg gtagagttct ttgcaccatg gtgtggtcat 180

tgcaaagctc taacacctac atgggagaaa gtggctaata ttctgaaagg agttgctact 240

gtggctgcaa ttgatgcaga tgctcatcag tctgccgcgc aggattatgg tattaaaggt 300

ttcccaacaa ttaaggtttt tgttcctgga aaggctccaa tcgattacca aggagcaaga 360

gatgccaaat ccantgctaa ntttgcntan aagcagatna agggtccttt gaatgaacgt 420

ttggnaggga aaagttaacc a 441

<210> 16744
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-D6

<400> 16744

tnaactngtc agcgggccag tanacggtca tagngtnccc ggggncgacc caancgtcca 60

atgagcgcga cgcagacgca gacgcatgga ccgcactcgc tggccttcag ggtgatgcga 120

ctctgcaaac cgtctttcca cgtcgatcct cccctccgca ttgacccttt cgatcttctc 180

gccggcgagg atttctccga cgatccctct tccgcctcct tgttccgccg ccacgtatct 240

tctgccgacg ctgtcgactc cgatctcagc taccgaaata gattcctcct caaccatcct 300

accgatccaa tcggtctctc tggtcttctg cttcttcctc agtccttcgg agcgatctat 360

ctcggagaaa cattctgtag ctatatcaag cgtcaacaat agttccactt caagaagttc 420

gggatgttac cattaaggca gaaattcaga cagagaggca gaggattcta ctctggatac 480

atccaagtca cctgttgg 498

<210> 16745
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-D9

<400> 16745

ggcttcctag agcaaaggag aaaaaaaatg gtgaactatg tgctcaaaat caccgctgat 60

ctcgagaatc tcactaatct ccagccttcc ggtggctgcg acgattccaa cttcccttac 120

ctcttcaagt tgaaatgtga aagatgtgga naggtgactc cgaaagaaac atgtgtgact 180

ttgaatgaga cttttactcc tccgggaggt aggggtactt gtcatcttgt tcagaagtgt 240

aagttctgtg gaagggaagg gaatgtgact atgattccgg gcaaaggtcg acctttaact 300

ctggaagatt ctgaggctgg agaacatgcc cctcttatgg tgtttgactg tcgtggctat 360

gaanccaatt gatttcngat ttggtggata atgggaaant caagctgaaa ctgggaacaa 420

aatt 424

<210> 16746
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-E1

<400> 16746

gtnnngnaat tctattgntc ggcccggtca caacaaacgg gtcnnnccac gcgtccganc 60

tgttcgtttc ttccaaaccc tagaaaaatc cttagcaatg gangatgctg atggacttag 120

cttcgatttc gaaggcggtc ttgattccgg acctgttcag aacaccgctt ccgtcccggt 180

tgctccgcct gaaaactctt cctccgccgc tgttaacgta gcaccgacct acgatcattc 240

ttccgcgacg gtggctggag ctgggagggg tagaagtttc cgtcaaactg tttgtagaca 300

ctggcttcga ggtctgtgta tgaaaggtga cgcctgtggg tttctccatc agttcgataa 360

agctcgtatg ccgatctgcc gtttttttccg gttatacggt gaatgtcgag agcaagattg 420

tgtgtataaa cataccaatg aagatatcaa agaatgcaat atgtncaanc tgggggtttg 480

tcccaatggn cccgaatntc cgt 503

<210> 16747
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-009-Q1-E1-E10

<400> 16747

caatttacaa aaggccttaa aaaagcaaag attcttcgct gacttcgttc tctctttcgc 60

tggcgaagaa gattttctag ggtttttttgt ttgattttcg tgaagtcgga aaaattatta 120

ttattaatcg tgttgagctg tttgatcggt gaagactatg gcgtcgtctt cagcttcggc 180

gacggtggct gttgataaag ctaccagcga tcttttgtta ggtcctgatt ggactacgaa 240

tatggaaatc tgcgattctg ttaattctct tcactggcag gcgaaagatg tagttaaagc 300

tgtgaaaaag aggctgcaac ataagagttc gagagttcaa ctacttgctc ttacgctttt 360

ggagacgttg gtaaagaact gtggagatta tttgcaccat caagttgcag agaaaaacat 420

ttaagggaaa 430

<210> 16748
<211> 76
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-E4

<400> 16748

cagnatntga tctcaccaat tttcagctgc cacctcagct gaacctacta agatcacaac 60

cccagtgtta ccgcna 76

<210> 16749
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-E5

<400> 16749

aatttcgaaa agtttgttaa aatgaatgca cacatgctca atctccttgt catagtcatt 60

tttgtagttt ctttcgatgt ccaagcactc agtcctcact actacgacca tacttgtcca 120

caagccgacc acattgtaac caatgcagtc aagaaagcca tgtcaaacga ccaaactgtc 180

cctgctgcgc ttttgaggat gcatttccac gactgtttcg tcagaggatg tgatggctca 240

gttctcttag actctaaggg gaagaacaaa gcagagaaag atggacctcc taacatctca 300

ctccatgcat tttatgtgat tgacaatgca aagaaggcat tagaagaaca atgtcccggt 360

atcgtctctt gcgccggaca ttcttcactt gcggcaagag atgcntcgct ctctcaagg 419

<210> 16750
<211> 69
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-E6

<400> 16750

tatcangttg ggctcctggt gttataatga gaaggtcaca atcgacatan ntcggacatt 60

caattaaat 69

<210> 16751
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-E7

<400> 16751

tccctccttt atcgcaacta accccaaatc ctactcccgc cgccgccgtc tcttccgcta 60

ttccggcgcc agttaagagc gtagccgttc agcaaccgnt cgatggatct ccacgcgccg 120

ttgctactga taccggaggt attcctgagc cacttgcggc tgttcccggc gctaagcttc 180

gtcttatgtg cagttttggt ggccacatca tgcctcgtcc acacgacaaa tcgttgacgt 240

actccggcgg cgagactcgt attgtggttg ttgatcgacg tgcgtcactg tcntcgctcc 300

gatctcgtct ctctagtatg cttctcaacg gncggtcctt tactctcaag taccatgctc 360

cctagcgaag atctcgattc actcgtcacc atcactaccg atgaaagatc tggagaacat 420

gattgaagga tac 433

<210> 16752
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-B9

<400> 16752

ctcaccatga gacaccttag ctcacctcca tggcctctcc tccttctcct cctcctctct 60

tctttcacct ccggcgaatc ctctctgtcc gcagaaaaaa acaaattgca caccggtggt 120

ctcagtagac agagttttcc taaaggattc gtgtttggaa ccgccacgtc agcttatcaa 180

gtcgaaggcg agactcatca agacggtcgt ggcccaagca tttgggatgc cttcgtcaag 240

attcctggga agatcgccaa gaatgccacg gctgagataa cagtggacca gtatcaccgt 300

tacaaggaag atgtggattt gatgaagaaa ctgaacttcg atgcttacag attttccaat 360

tcaanggtcc aangataatc cctgaaggga aattggtaaa gtcaactggg aaaaggattg 420

cttaatacaa aaaaa 435

<210> 16753
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-H9

<400> 16753

nntnnngnaa ttttacgccn gccngtagcc gtcnaaaaat tcaaagggtc gacgnacgcg 60

tccgaaaaaa aagtcccact agaaaagctc attatgaaag tgaacgagga aaacaacaag 120

ccgacaaaga cccatgtctt aatcttccca tttccggcgc aaggtcacat gattcccctc 180

ctcgacttca cccaccgcct tgctctccgc ggcggcgccg ccttaaaaat aaccgtccta 240

gtcactccaa aaaaccttcc ttttctctct ccgcttctct ccgccgtagt taacatcgaa 300

ccacttatcc tccctttccc ctcccaccct tcaatcccct ccggcgtcga aaacgtccaa 360

gacttacctc cttcaggctt ccctttaatg atccacgcgc ttggtaatct ccacgcgccg 420

cttatctctt ggattacttc tcacccttct cctccagtag ccatcgtatc tgatttcttc 480

cttgggtggg caaaaa 496

<210> 16754
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-A1

<400> 16754

gaaacagagg ttcctcttgt gtttttgttt tgggattaag gaagctattt ctgttctctt 60

cgagtttcag gtctagccct aaccctaaaa ttcagccatg tcttccaagc aaggagggaa 120

attgaagcct ttgaagcagc ccaagtctgg taagaagtag tacgatgagc acgatatgga 180

gttaatgcag aaaaagaagg atgaagagaa ggcacttaaa gaactcaggg ccaaggcttc 240

acaaaaagga tcattcggag gctcaggact taagaaaagt gggaagaaat aagactaaat 300

ctgcctcaat gtaatcctat atcaccttat atatgtttgt caatgtacca tgactagttt 360

ataagttata accattaaaa tcatgttgcg atgttgtana aataaatata aatccaaaga 420

cntggccccc tcaaaaattn tgggaattt 449

<210> 16755
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-A2

<400> 16755

tactttgncc ngccccggtc ntanataanc gggnccaggc ncgcgtccga aatcgaccca 60

gcacanctng gaccatcgtt atgtggaagt tgaagatagg agagggaaat gganaagatc 120

cttacttgtt cagcagcaac aacttcgtcg gacgtcaaac atgggagttt gntcccaaag 180

ccggcacacc tgaggaacga gccgccgtcg aagatgctcg ccggaactat ttagacaacc 240

gtccccgtgt taaaggttgc agtgatctct tgtggcgaat gcaatttttg aaagaggcga 300

aattcgagca agtgatcccg ccggtgaaga tcnacgacgg cgaaggcata acttacanaa 360

acgcgacgga tgcgttacgg agagcagttt ctttctactc ggctttgcag tcctccgatg 420

gccactggcc ggcggaaatc accgggactc tcctcttccc tcctccantg ggnatttggt 480

tccanaacan aaggg 495

<210> 16756
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-A3

<400> 16756

gnnnngnant tctagttccc ggccggtcac atcntaangg cccgggcccn cgtccnagca 60

gantctctcc aatccaccgc tacattcctc cagtcggcga agatcgccac cgctccttct 120

cgcggaagtt ctcacctccg atcgactcaa gccgtcggca aatcttttgg gctcgaaact 180

tcctcggctc gcctcacttg ctccttccag tctgacttta aggacttcac cggtaaatgc 240

tccgacgctg tcaaaatcgc cggattcgct cttgccacct ctgctctcgt cgtctcggga 300

gcaagtgcng agggagctcc aaagagattg acctatgatg agattcagaa gcaagacata 360

catggaagtg aaaggaactg ggaacggnta accagtgccc tactattgac ggtggctctg 420

agaatttctc gttcaaaccc ggaaatatgc aagaaagaag ttctgctttg aacctaantt 480

cntnaacgtt aaanggaaaa aatnttaana 510

<210> 16757
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-009-Q1-E1-A4

<400> 16757

gtatcgaaac tgctcggata tttgactttg aggagtttcc aagaagagat aaggttacat 60

acatgtatta taccggccga ttagaagtct tcaacgaaaa ttttcctgct gctgatacaa 120

agctatcata tgccttgcaa aattgcaacc ccaaaagaga acgaaatata aggatgatat 180

taaagtattt ggtaccggtg aagctttctt taggaattat accaaaagat gagctcctgc 240

gaaattataa tctgcatgag tacacaaaga ttgtgcaagc tctgagaaag ggtgatctaa 300

ggcttctccg gcatgctctt caagaacatg aagatcggtt cttgaggtcg ggtgtgtatc 360

ttgtcttgga aaagctagag ctccaagtct accagagact catgaagaaa atttatatta 420

accaaaaact gagtggttca ac 442

<210> 16758
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-009-Q1-E1-A6

<400> 16758

agaaactttg cagccttcac tcacagatca gctgctgctc atccttggca tgacttggag 60

attggtccag aagctcctac tgttttcaac tgtgttgttg aaattagcaa aggtggaaag 120

gttaagtacg agctagacaa gaacagtggc cttattaagg ttgatcgcgt tctctactca 180

tccattgtgt acccccacaa ctacggtttc atccctcgaa ctatctgtga agacagtgat 240

ccaatggatg tcctggtact gatgcaggag cctgtgctaa ccggatcatt cctccgtgcc 300

cgtgctattg gtctaatgcc catgattgat cagggtgaga aagacgacaa gatcattgca 360

gtatgtgctg atgatcccga gttccgtcac tacagagaca tcaaaagagc ttccccctca 420

acgtctaagc tgaaatccgt 440

<210> 16759
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-A7

<400> 16759

gtnnngcaat tccactcctt ctgntcggtc ananctnaca ggcccnggcc nacccacaan 60

tccanttcct tcagcgcagg atattgctgc tgaatttgtg agacagtact atcatgtttt 120

aggacagctt cctcatgaag ctcgtangtt atatgttgat gctagtgttg tcngcagacc 180

tgatgttact ggtactatga tgtcttttac ttccgttgag gctancaana agcatatcct 240

gtcctgtgac tttgagaata ctaaatttga ggttctgagt gttgactctc agaattcttt 300

ggaagatggg atttttatta tggtgatcgg tttcatgact ggaaaanaca accagaggag 360

gaagttttct cagatgttcn atcttgctcg tcaanatacc ctcgttgttc tcaatgacat 420

gttacnatac gttgatcaag aggattcttc tagcactgaa actccatgtg agccggttac 480

tganatgtga naccanctgg angggcca 508

<210> 16760
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-A9

<400> 16760

ttagttttag cagagttggt gaaatcaatg ggccaccaaa acgccgccgt ttcagagaat 60

caaaaccatg atgacggcgc tgcgtcgtcg ccgggattca agctcgtcgg attttccaag 120

ttcgtaagaa agaatccaaa gtctgataaa ttcaaggtta agcgcttcca tcacatcgag 180

ttctggtgcg gcgacgcaac caacgtcgct cgtcgcttct cctggggtct ggggatgaga 240

ttctccgcca aatccgatct ttccaccgga aacatggttc acgcctctta cctactcacc 300

tccggtgacc tccgattcct tttnacngcn ccttantctc cgtctctctc ggccggaaan 360

atttaacccg aaaccaaaag ntncaancca aatttcnatt aanggtctgg cgtccctnct 420

ccctt 425

<210> 16761
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-B1

<400> 16761

gnggnaantc tatcngcncn gnnccggtca cnacnananc gggtcnagcc acgcgtccna 60

gaaaattgga agaatgagga ggaggaggtg cgatcttcaa ccgaagagaa cgagaatgtg 120

cgatcttcaa ccgaagagaa cgagtatgtg cgatcttcca ccgaagctgg taggggagaa 180

gatcctcacg aggattccga taacatctct gagagcggtg cgatccactt gcaaattatg 240

gaacgcttta accaaagatc gggttctggg taaagcagcg gcgcagtttt tggggtttat 300

gacgatggat tcaaaggtct gttcagttag attccatctc cgtcgcagca aggaggaaga 360

agaagacacg atggatctat ctataaagca ngtagatttg cttaatcaan tcgagatatc 420

tanaatgtat cactgcgacg gcttgttgtt atgcntngct aangncaact ccaaggtcct 480

ggnttggaac cctaanttgg ggcaana 507

<210> 16762
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-B10

<400> 16762

cttctacgca gnccgtagcc gtcanaaatt cnanggtcga cccacncgtc cgnctgatga 60

gtatgggcta tcttctaagg cataccgatc ttgtctcgtt gaatcagtgg atgaagaatt 120

acttaagcgt ttgacaaagg tcgcccaatt cttgtcttgg gaacttggac ttgaatctga 180

tgcaaatgca ataatttcaa atggaagggt gatatttcct gtggatgaga ggacattttt 240

gggccaagat ttacatcttc ttgagtcaat ggagttcaat caaagagtaa agcctgttca 300

agaaattatt gaaggcattg aatggcaaga tgtggatccc gatctgctga caagtaaata 360

ttttagcgat gtcttcatgt ttgtgtcatc tgcaatggca acacgggatc gtagttctga 420

aagtgcgcgg tttgaggtgt tgaattcaga atacagtgcg gttttgcctg ggaaatgaaa 480

atgcaac 487

<210> 16763
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-B3

<400> 16763

tganttcnnt cnttcggtcg gtcnnaccnt acgggccnag cacgcgtcca aacacacgtc 60

cgctcacttt ctctcttctc tctctctctt tctttttttga gtccgtgaag gctaagtctg 120

aaagaatgac gaaggatgag ttgacggagg aagagtcgnt ctcgggcaag gactacttag 180

acccaccgcc tgtgaagacg ttcgaggtga gagagctcaa gaagtggtcc ttctacagag 240

ctgtcatcgc tgagttcata gctactttgc tctttcntac gtgactggtt ttgagaagtc 300

atcggcttta agagccagac ttgatatcaa cgccggnggn ggaccttgtg cnattgtcgg 360

cctcntagga accncttggg ccttnggngg catgaanttn acc 403

<210> 16764
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-B4

<400> 16764

nnnngnaatt cnattgntcg cccggtcnta gcaaacgggn cggccacgcg tccnaagtan 60

gctccggaaa aatccagaac tcagaccaag tgctgctgag cttcttagac aaccgctgct 120

tcaaccgtat atccagaaga ttcatttgaa agtgaatgat ccaggaagta atgtgttacc 180

tgcgcaatgg ccagaatctg aatccgccag gagaaacagt tttccagaac agagaaggcg 240

tcctgctggc aaaagccata gctttggtcc aagcaggttt aggggtaacc tagaagattc 300

tgtttcttcc ataaaaaaaa ctgtgcccgc atatctgaat cgtgaaaggc aagtggactt 360

gtctacagat gcaagcggtg atggaacggt tgttcgtaga acttcagagg cttctaagag 420

ttctaggtat gtaccagtga gaacttcggc tcacctgtga gaactagaca gnctaagagt 480

gancttgggc nacttcc 497

<210> 16765
<211> 144
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-009-Q1-E1-B7

<400> 16765

cagancgata acaggaaaca nagatacagt cagtactcan tattttgagg gcacctacgg 60

aaagcaagta ntactacana gggtagacgt tccattgctt aatgatgaan catcatcant 120

acaagcaaac gtgtttttca tcat 144

<210> 16766
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-009-Q1-E1-B8

<400> 16766

tatggatcat tctaagttga ttgaagattt caatgagtca tctttagagt ttcagaggaa 60

gattcttgaa cgttctggtt taggagaaga gacttatctc cctgaagctt tacattgtat 120

ccctccgagg cctacgatga tggcggctcg tgaggaatct gagcaggtaa tgtttggtgc 180

tcttgataag cttttcgaga ataccaagat taaccctagg gatattggtg tgttggttgt 240

gaattgtagc ttgtttaatc ctacaccttc gttgtcagct atgattgtta acaagtataa 300

gcttagaggg aatgttaaga gttttaacct tggtggaatg gggtgtagtg ctggtgttat 360

ctctatcgat ttagctaaag atatgttgca agttcataag aatacttatg ctgttgtggg 420

<210> 16767
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-H4

<400> 16767

ancncncgcg nncggcttcg aattcnaagg gncgacgnac gcgtccnatc cccattaact 60

ctgaacacat caggtttggt ttcgtgtttc aactttgaga tacttctcta gatttcaatc 120

ggagagtctt ttgttccgcc aaagtttcaa tttttcaata ccccacgacg gcaaataggg 180

ttcatggaag atcaacccat taaccagtgc tcnagtagca ccaatgcgtc tgagaaaact 240

ccagaatcaa cccttgagct taacatcaaa acgttagact cgcggacgta tactttccaa 300

gtgaacaaga atgaaactgt tttgctattc aaggagaaga ttgctatgtg agacangggt 360

gccggttggt cagcagcggc tcattttccg aggacgggtt ttgaaaagat gatnatcctc 420

cctcggagta tcatttggga aaatgggcat actttacact tgattgtgag gcaaccatca 480

aaatcag 487

<210> 16768
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-D7

<400> 16768

naaggtcaga anttcccggg ncgacccacn cgtccgcgga cgcgtgggtg agtacacacg 60

gatatgcagc tcctgaatac cttgcaaccg gtcatctaac ancaaanagt gatgtctana 120

ncttcggggt tgtccttctg gagctgttgt ctggtcgtcg agcagtggac angaancgcc 180

catctggaga gaggaacctt gtggagtggg ctaaaccata cctcgtaaac aaagganaga 240

tattccgagt cattgatant cgtcttcagg accngtactc tatggaagaa ncatgtaaag 300

tggctactct gtctctgana tgtctcacca cagagattaa gctgagacca aacatgatcg 360

aggttgtttc gcacctcgaa cacnttcagt cttaaatgct gctataggan ganattntgg 420

ataacncagn ta 432

<210> 16769
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-008-Q1-E1-D8

<400> 16769

ttcttctact ttgtcttcca tcttcgccga cgagtcacat ctccgaaatc cggagccgga 60

gagggagaaa gaaggagaat ttgggttctc cgagatcgaa gctcttgcct cggaaccctt 120

gattttgttt tggaataggc tatttttttа gtaaaagagg aaatggtggg aagtagtaat 180

tcgttagcgg gtctacaaga ccacttgaaa ttagcgagag aatatgcact agaaggatcc 240

tatgacacat ctgtcatctt cttcgatggc gccattgctc agatcaacaa gcatttaaac 300

acccttgacg atcctttggc ccggaccaaa tggatgaacg ttaaaaaggc cataatggaa 360

gagacggaag ttgtgaagca attggatgca gagaggagag catttaaaga agctcccact 420

gggcg 425

<210> 16770
<211> 55
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-E10

<400> 16770

cacaggattc gcacgattcg gaagtgtnca tcgccgtctt cgttttactc acttc 55

<210> 16771
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-E11

<400> 16771

gctctttatt caatctcgtt taaaattaac ataatgatga cgccagtgaa gaaaagtatc 60

gccattagac cggtgtcgtt ctacggaaac gggcttcctc gtcctcgttt cttcganaat 120

cctaagttca atgattaccg tgttgatcct cccctctctg tgctagatcc tcttctctca 180

tgggcgagag acgctcactg gtcaatgggt ggtctcaact tcacgcgtct ccgtctccaa 240

ggccggatcg aaggaaacgt caacaagctc cgtgcacagc ttgagaaatc cacccctgtg 300

aaactcgaat ctggaaggaa gaagaagaga tctggttctg agtctcctcc ttctgctccg 360

attgtggtga aacgaaggag gtacttagat ctgaacgatt ctgatgatga ggaagtcnga 420

tctgaagatg aagg 434

<210> 16772
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-E3

<400> 16772

gntggnggca acttctacgc nctngtgccn gtcttcaaat tcaangggcc gacncacgcg 60

tccgncgaaa accatggatt agggtttttc agtttcctct ttcaatcgat taacccacag 120

aacaaagtat ctcttacctt cgggtttaga tattctcttc gtctccgtct atagnatcat 180

ttctcaaagt cgacttacga atttgactca ggagatattt cgtttgtgat tttgttaagg 240

ctagcttcaa ttctattcag attaatcaat ggattctcag atgctcgtgg cgcttggact 300

atcccttgtt gggggattaa gtacctcttt aggtgcgctt tttgtgnttc ttagtgngaa 360

tcccnntatg aagatgcntg ganttcnana gggttttgct tcaggtctga tgttgnncat 420

acgttcttgg attggcncat actgcnagtg anac 454

<210> 16773
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-E5

<400> 16773

naactggacg ccgntcggtn naggtcnaag anttcccggg ncgacccacn cgtccngttt 60

gtttcaatag ctatgcggat actagtggag ctggaaatga tgtttatgag tttgtaagta 120

ttaacataga gatgttcttt cttcttctta tgctgtttct taaagatttg gagtttattt 180

tgtgcaggta aagtcgattg ggaagtttaa ggagactaaa cgaacagagg ggatatcgac 240

atctgatata atcatgagaa tagtgaaaga ttataaccag tatgtgttgc gtaatctgga 300

ccgaggttat tcaagagaag aactcggtgt cagcttcgtt aaggagaaga ggcttanagt 360

gaatatgaga ttgaaagaaa cctacaagag aaaagttaaa gaacaacang aaaaagatac 420

aaaccgtagc aaaaactgct gggatgcacc atgatgagtg gcttgaaaat gctgatcgtt 480

ggggtgg 487

<210> 16774
<211> 221
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-E8

<400> 16774

ggncccgggn cgactcaanc gtccnacata atctcagggn aagctctgtt actcctcttt 60

tgctttatct tancatgttt tcttatcttc agcatcacaa gatctggacg aatctcccgc 120

ggggccaccg cgctgcctcc aggatctcca cggttaccga tcatcggaaa tattcacctc 180

gtcggaaaag tccacatcgc tcattcnncg agcnctcana a 221

<210> 16775
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-F11

<400> 16775

nnnnnngnaa cttttacgcc nctcngtagc cgtccnaaaa ttcnagggtc gacccacncg 60

tccgctttgt taaatttgaa gttttcgaac aagttgcaaa gaatgcggtg aggggactat 120

gggcacgtcg ttcaaatctc gacttggttg gtgctcacat caatgtcttt acaggtgaat 180

ggacacagaa ggtaacaaaa aatggcttct gtatatgtca gaagaactan ggtttgatga 240

actttgcttc aacaaactaa ttagtctttt tttgtcaccc aaattctaaa atggtagtgt 300

ttacttggca ggatgctggt ataggaacaa gcattgattc cttctatgag tatctactca 360

aggcttatat actatttggg gatgangaat atctatacat ttttcaagaa gcttatagat 420

ctgcaatgca gtaccttcac aangatcctt ggtaagcttt ctgtatcttg tatgatanag 480

aaacaagaac aaacaa 496

<210> 16776
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-F12

<400> 16776

gtnnnggcaa cttttacgcc gntcngtagc cctccaanaa ttctnaggtc gaccnacccg 60

tccgccaact cacaaaaatg gcgattcgtc ttcctctgat ctgtcttctt ggttcattca 120

tggtagtggc gattgcggct gatttaacac cggagcgtta ttggagcact gctttaccag 180

atactcccat tctcaantct ctccataatc ttttgacttt cnattttacc gacgagaaaa 240

gtaccaacgt ccaagtacgt aaaggcggag taaacgttaa canccataaa ggtaaaatcg 300

gtancngaac ngccgtgaac gttggaaagg gaggtgtacn cntggacnca ggcaagggca 360

agcccggaag atggactcac gtttngcgtt ngcagccgga aaatgtcacg gaagtggccg 420

tcgcaatnca gaccgggtta anccnggtta aataaccg 458

<210> 16777
<211> 76
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-F5

<400> 16777

gtgggngtcc tgagtaagat ctctatccgt tcatcgtttt ctctgtgtnn atgtgcgtgg 60

ttttgtttca ctctgc 76

<210> 16778
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-008-Q1-E1-F6

<400> 16778

aaggcaatgg agcttgttcc ggatgaggag ttggaggctt cttcacgagg aggttctggt 60

gcacctgctg atcgaagggc tctcaagata gctcggttca aacgtcaaaa ggctgcagag 120

gcaaagcttc ttgaaattaa agagaggaag gagcgacgtg gacgttccac taaagcatca 180

gctttgtcga ctccggttga atctggagaa gatgatattc cagatgatga cagcgaagaa 240

gagagagagg cctggctctc ctcaattaac ttggctattt gtaaggctat tgatctgttg 300

gaaatgctaa agagagaaga ggaaatgctc tctgcaataa aggaaagaca gttgaaggat 360

ggagaaggtg gattttctcg ggatgctctt gatgatcgta caaagaaagc tgaaacctgg 420

cacagagacg c 431

<210> 16779
<211> 66
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-F7

<400> 16779

ngtcccgggn cgactcacac gtccggtttt ttgcaacgga aaaaggaaaa aaaaaaaaaa 60

aaaaag 66

<210> 16780
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-G1

<400> 16780

gnntgnngna acttccncgc gtacggtgcc ggtcnccnaa ttcaacgggg ncgacgcacg 60

cgtccnattt aancgggaaa aagttcagtc agtgacacta atgttcgaat cgaacatggt 120

tcttcaaaca ctatcttctt cttctcctcc aantcaccgt ctctatcttc ancattctca 180

gattctccct tcttctgggt cacccagcaa gatttctctt cagatacatg gaaggacttt 240

ggccattcga tcttttcatg aaatttctgc tacaggttta ccggctttga acaaagcttc 300

cttgaagaag ctaccaatca aaggatctac ctttctgctg gggcanagct tgttgatggt 360

ttctgctcan ccacagttgg gcancagcan cagaaatcat aangnctgaa ccganttacg 420

aaagtttggn gagttaattg aacntagtag tcagctttcc tacttgccng ttacnactgg 480

ggttgcttgg agtttggtac tt 502

<210> 16781
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-G2

<400> 16781

gntngngnaa cttcnangct gntcggtgnc cgtcacnnat taaagggncg acgcacgcgt 60

ccaacaactn ccaaaaatgg cgattcgtct tcctctgatc tgtcttcttg gttcattcat 120

ggtagtggcg attgcggctg atttaacacc ggagcgttat tggagcactg ctttaccana 180

cactcccatt cccaactctc tccataatct tttgactttc gattttaccg acgagaaaag 240

taccaacgtc caagtaggta aaggcggagt aaacgttaac acccataaag gtaaaaccgg 300

tagcggaacc gccgtgaacg ttggaaaggg aggtgtacgc gtggacacag gcaagggcaa 360

gcccggagga nggacacacg tgagcgttgg cagcggaaaa ggtcacggan gtggcgtcgc 420

agtccacacg ggtaaacccg gtaaaagaac cgacgtacga ntcggtaaag gcgtgttacg 480

tgcacacgcg ccacang 497

<210> 16782
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-008-Q1-E1-G8

<400> 16782

ggngtgnngn aacttccacg cgtcacngtg ntcntgtnna nggtcacagn gtncccgggn 60

cgacccaagc gtccntgctg ctcctgctct gtttttataa gcctccactt cccgccaagc 120

ccctcttagc cataaacagt gaaaaaccct tttgttcctt caccaagctc taagacccta 180

tccatggaga cgccgacgat gaagcctgat acggttttga ttcttgatta cggctcccaa 240

tacacacatc tcatcactcg ccgtattcgt tctctcaacg tcttctctct cgttatcagt 300

ggaacttcat cgctcaaatc aatcactanc tataanccac gagttgttat cctctccggt 360

ggtcctcact ctgttcacgc gctcgacgcn ccgagtttcc ccgangggtt tatcgaatgg 420

ggcagagtcg aacggtgttt ctgtttgggg atttgctagg gttgcaattg attgtgcana 480

aanttggtgg tgttgttggt ggaa 504

<210> 16783
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-008-Q1-E1-H11

<400> 16783

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tctcataggg ttaagggaat tttgggattg aatgacgttc gttgacgatg atgaagagga 120

agacttctct gttcctcaat cagcttccaa ttattatttc gaagatgatg ataaanagcc 180

tgtttcgttt gctcgtctcc caattcaatg gagcgtggag gagaaagttg atggtngtgg 240

tttangtttt tacttgcgag gaagatctga taacggcctt ttgcctctgc ataagcttgt 300

taaggcttgg agatacgatc tttcgaactt ccagcctgag atttctgttc ttacgangga 360

taatatatgg attaagcttg aggaancgag gaaaagctat ggggaattga ttanaactgt 420

tttggtcacg t 431

<210> 16784
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-008-Q1-E1-D6

<400> 16784

agcggagatt ctcagtaggg ttccgttgac atctctaaga gcagtgcgat tgacttgcaa 60

aaagtggaac gatttatcca aagatcggag ctttctcaag aagcaaatcg tcgaaacaaa 120

gaagaagcaa ttggaatcga aggagattga ggtgatcatg atgaggaatt ttagggttta 180

tctaacaagc atcgatatcc acaacaatgt tgatccatca tttacgccta aaggtacact 240

tattagctta agcgatgatg caaaccatca tcaagtcgat aatgtatcta gagtctttca 300

ctgcgatggt ttactattat gcatcaccaa agacctccac tataggcttg tggtttggaa 360

cccttatttt ggtcaaacaa gatggatcca acccagaaat tcttaccaca ga 412

<210> 16785
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-H11

<400> 16785

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aaaagatgga acctcagaga aaacactcga cagccctcca cacgtgtcat ccctgccggc 120

gaaccattcc atacagaatc tacgccgtat ttcacacgtg tggcatcata gctctcatgt 180

atcaccatgt acactcaatt gtcaacgcaa acaacactct aataacatgt cttcttctcc 240

tctccgatat tgttctcgcc ttcatgtggg caaccacaac ttccctccgg ttaaacccga 300

ttcatcggac cgagtaccct gaaaaatatg ctgctaaacc ggaggacttt ccaaagctgg 360

acgtttttat atgcacggct gatccgtaca aggagcctcc gatgatggtg gttaacaccg 420

ctttatcggt gatggcttac gagtatccgt ctcataagat ctcaagtgtt cgtatcggac 480

gatgggnggn tttcctt 497

<210> 16786
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-H3

<400> 16786

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aaactctcgt ccgagatata tcgactccgc gaccctccac tactctgctg atctacacac 120

acacacaaaa naaagaaaaa actcaatcgc cancancaat ggcgaagctc acacttctct 180

tcttcctttc ctttctcatc ttctcctcat ccatcgcttt ccaatcagac gagctcctcg 240

ttgacgacga cgaatttggt ctagaaggag caaagccccg ctccaccgat ctttacacat 300

cttcttcttc ttcgccacag cagcagcanc agactccaac tatccggaga agatactcag 360

atcctaccga nttgggntca nangtccant ttnatcctcg aaacatgccn ttcgggtgga 420

cccngaattt tttccccccgg cnggna 446

<210> 16787
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-H9

<400> 16787

caagaactaa gcaatctctt gtaagtcaaa aggcagcaca agcaatcatg ttgccaaagt 60

tcgatccaac agaccaaaaa gcttgtctgt ctcttcttga ggatgtgact accaacgtaa 120

agcagattca agattctgtc ttggaagcaa tactttcacg taatgctcat accgagtatc 180

ttagtggttt cctcaacggt caagctgata agaaaagctt caagaagaat gtacccgttg 240

taacctacga agatattaag ccttatatcg atcgtatcgc caatggagag ccgtctgatc 300

tcatctgtga tcgacccatc agtgtactct tgactagctc aggtacttca ggaggagttc 360

cgaagctgat tcctttgaca acaagangag ttggaacaag aggattcgtt tgcttctctc 420

natagacctc ca 432

<210> 16788
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-A1

<400> 16788

ctcttcctct cttttccgtt tatctctttc gcagcttctc aggccgcgaa gactttcatt 60

ttccgtatcg atggtggatc tatgccttct attttcccga cgcactacca ttggtatagc 120

accgagttcg ccgaagaatc tcgaatcgtc catgtttacc acacagtctt ccatggtttc 180

tccgccgttg ttactccaga tgaagcagat aatctccgta accacccagc agttcttgct 240

gttttcgaag accgacgtcg agagcttcac accacacgtt ctcctcaatt tcttggntta 300

caaaaccaaa aaggactatg gtcaaaatct gattacggnt nagacgtaat caatgggcgt 360

ttttggacaa ccggnanttg gccgggancg ggaggagttt ccanattctt aaaccccggt 420

ccaaattcc 429

<210> 16789
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-A10

<400> 16789

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tctctgttct gaaaaacccc aaattttgtt ttttttggcc attcaaaatt tcagaagaag 120

gcgatacaaa atcgtctttg aattctcttt gtttatgatc tgttcaagta aaggaacggt 180

cgtaattgct actagaagct catttcccag attactaaac cggattcaaa atcgaaatga 240

tgttccgatt agtgtcatag ctactcgacg atcatcaatg tcggtggagg cgtttccgat 300

gaggttaaaa tcatcacaga agaagaggaa gatgaacatt ggttgcggtg tttccccttc 360

ttcgccgacg acgacggtgg tagatgagga agtaaccatt angcggaaat tggcaatgaa 420

gaa 423

<210> 16790
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-A11

<400> 16790

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cttctcagat gtccgttgca cttccaacta gaattgatgg gtcgagccga tctatgatta 120

aggttcaaag tataagcttc actgataagt catggggtcc tcctctgctg agactagatt 180

cgaaatctag aagcttaggt gtgaaaaaaa ggtccacaat atgcatgtca cttcagcaat 240

caagcaaatc caaagtcttg gttactcctc tagaacttga agatcccaaa gagactccct 300

taaacttgtt tangcctaan gagccttata ctgcaactat tgtttcggtt gagaaaattg 360

ttggtccaca aagcanctgg agagacttgc cacattgtt 399

<210> 16791
<211> 207
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-A2

<400> 16791

tggacgtact ttggccgact acaacatcca tgaaggagtc tactcttcac ttggtcctgc 60

gtcttcgtgg tggtttctaa atctcgtctc tgttaggctt aagaagttca atgtttcgtt 120

tcatgtaaaa ctttggtggt ttgtgttttg gggccttgtn gnagccctgn tgaatngctg 180

ttctagctat gtttccgttc natntga 207

<210> 16792
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-A5

<400> 16792

attttctcat agctctattg ttcgaaaatt ctgaaacgaa cgttaccact atggacacta 60

agatcggatc tatcgacgcg tgtaacccga ccaaccacga tatcggcggt cctccaaacg 120

gcggagtctc caccgttcaa aacacaagtc cacttcactc caccaccgtc agcccctgcg 180

acgcgactct tggccgttac ctagcaagac ggttagtcga aatcggcgtc accgatgtct 240

tctccgttcc tggtgatttc aacctgacgc ttctcgatca cctaatcgcc gaaccaaacc 300

tcaagctgat cggttgctgc aacgagctta acgccggata cgctgctgac ggttacgcna 360

gatntcgccg tgttggtgcc ttgcgtcgtt acgttcaccg tcggtggat 409

<210> 16793
<211> 221
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-A7

<400> 16793

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cagcttgaga gggttaatgt atactacaac gangcgagtt gtggaaggta cgttcctcgc 120

gctggttctc aatgggattt ggagcccnga aaccaatgga caagtgtcag attctgggnc 180

cgttacgggt caagantctt tcgaacgggg ataaacttcn t 221

<210> 16794
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-007-Q1-E1-A8

<400> 16794

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gaaaaaacat aaaaagcaaa aaaaaaggta aaatcaaaaa ggggaaaaat atataacaac 120

aaaaaaaaaa agttagaaaa aatggcagta ggaaaggttg tggtatctgt ggcatcactc 180

ctcctagtgg tgggtgttgc cataggagtt atcacgttcg ttaataaagg aggcggcgcc 240

aatggcgaca gtaatggtcc cataaactct catcagaaag cggttcagac aatttgccaa 300

gtcaaccaca gaccaaggtt cgtgcgcgaa aacactcgac ccagtcaaaa gtgatgattc 360

aagcaagctt gtcaaaagcc ttcctgatgg ctactaaaga cgcgattaca 410

<210> 16795
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-A9

<400> 16795

ctttttccct tcatactcgt cttcacatct gaattccgac aagatattgc gtctgctctc 60

ctctcttccc tcattctcgt cttctcatta ccaaaaacat cttcttctcg tagctaactc 120

aatccaattc caatctccat tcaaatcgag caccagataa ttttttctcc taaattctaa 180

tataagccct aaaattcaaa attgaaatat ctatagaatc tccttccgat tcagacggat 240

aatcgccatc aacagcgtgt gaattcgatc aaaaatctga actttccaca aagaaattcg 300

aaagctcaga tttttcgatt tcgaaaattt tgaaaactca gttaatgggc ggattttcag 360

acatcaacac aacggggcca agtggatttt cactcccaga aactggnaga gagatataaa 420

gctggg 426

<210> 16796
<211> 68
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-B11

<400> 16796

ggggagatca gaaggaggga agaaatagcc ggtgattgtg ttactctgcg ttgcancagt 60

antgcctg 68

<210> 16797
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-B4

<400> 16797

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gacttcgatg ttgctgttga cttatactcc aaagccattg acttggatcc caattgcgcc 120

gccttcttcg ccgatcgtgc tcaggccaac atcaaaatcg ataacttcac tgaagctgtt 180

gtagatgcga acaaagccat tgagttggag ccaacgttgg caaaagccta tctcagaaag 240

ggcactgctt gtatgaagct agaagaatat agtactgcta aagcagccct ggaaaaggga 300

gcttctgttg caccgaatga accaaagttt aagaagatga tagatgaatg cgatcttcgt 360

attgcagaag aagagaaaga tttggttcaa ccgatgccac cgagtttgcc ctcaagg 417

<210> 16798
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-007-Q1-E1-B7

<400> 16798

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ttttgagttt gctcataatg agtctggtca tggcacaagt tcaagtagaa gcaaagatct 120

gctgcccttc caaccaagct agaaatggct atagtgtatg ccgtataagg ttttccaagg 180

gaaggtgtat gcaagtgagt ggatgccaaa actctgatac atgccctcga ggttgggtaa 240

acgccattct cgaaaactca gctgatgcta ccaatgagca ctgcaagtta gggtgtgaaa 300

cttctgtgtg tggtgccatg aacactctcc agaactctga tgcaagtgaa attgtgaatg 360

gagcgtcgga acaatgtgcc aagggatgtt ctatttttctg taccaagagt atgtagtc 418

<210> 16799
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-B8

<400> 16799

nnnnnntgtg ngnnnnntng nagcattttt tangccgncc ggtancgnan cnnagaattc 60

gcnggncgac ccacgcgtcc gagtgattca tatcaagcaa caggatgtta caatcttcta 120

tgttcgggat ttatccaaac aaataacaag attgccattg gagcagccat atctcctctt 180

tctacgttca aaggaaacca gtttgatatc acaatactca tttggaagga tccgaaaatg 240

gggaattggt ggatgggttt aggggatagc acactagtcg ggtattggcc agccgagcta 300

ttcacgcact tggccgacca cgcgactacc gtggaatggg gcggtgaagt cgtcaacaca 360

cgtgcttcag gcaggcacac gacgacccaa atgggctctg gtcattttcc agacgaaggg 420

tttgggaaag caagttattt tcggaatttg gaagttgtgg attccggaca acagtctcgt 480

accggttcat gatgtcang 499

<210> 16800
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-007-Q1-E1-B9

<400> 16800

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cgttactctc atactctcca gcagttctca attctatctt tcttcgttac aatatggacc 120

gttcaatcag taccaccaca accaccgatt cgatgcgacc aaaccggctg caccgtctcc 180

aacgcgtacg gcacgtggcc tgaccgcaaa acctgtcacg cggctaacgt cacataccca 240

acgacggagg aagaccttcg taaagccgtt gcttacgcgg ctgagcacaa tctcaaagtc 300

aaaaccgtca ccaaattctc tcacaccata ccgaaactcg cttgtccttc angttcagac 360

gcattgctaa ttantactcg aaatataatt cggttatcga gattgaaccg gaactgtt 418

<210> 16801
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-H1

<400> 16801

tcttgggtta gaaagacaag aaagtgagag agtttgggct gagagagtca ccgaccatga 60

tgtggtagtt ggtgttttag acactggtat ctggcctgag agtgagagct tcaacgatac 120

aggtatgtcc cctgttcctg ctacttggag aggagcttgt gaaactggaa aaagattctt 180

gaaacgtaac tgcaatagaa agatcgttgg tgctagagtt ttctatagag gctatgaagc 240

tgcaacggga aagatcgatg aagagcttga atataagtca ccgagagaca gagatggtca 300

cgggacacac actgcaacta ctgtacctgg gctcacctgt ttaaaggagc taatcctttt 360

gggntttcct tatgggacaa ctcganggat ggtcaaaaag ctaaaatttc cgccttanaa 420

aantccgttn ggtccgaagg tgttcaattc aaaa 454

<210> 16802
<211> 84
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-E3

<400> 16802

cgctcctgga gtgactccca aaggtattcc cgntttaact gtttttgata aaacgcccct 60

tggggaaatn taattgcaag gcnc 84

<210> 16803
<211> 96
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-E5

<400> 16803

gacattangg gacacatacc cagcattcna atgcgttaaa acggtnggag aagaacaaag 60

ttgaaatccc aggaactcaa attttggngc ccatac 96

<210> 16804
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-E6

<400> 16804

atagccaacg gatccgccat gactgctcgt aagagaactc cttcagtgtc caattcggag 60

aaactagctc tacctgaacc tgcatcttcc ccgacggttc agaagacctc tgtttccgga 120

gaggatttcc agctcgcgcc gccgaaattg ggcgtgattt tcgtgatctc ttcgcttctg 180

tgttcgcttt atctttacct tctctgtttc cactacaatg ttgacaatga gctcaagcgt 240

ccgatcctca ttaacgctgg gcttagcttg gttggattct ttgtcacact caagttgatt 300

cctgtagctg ctagatacgt tctgatgcgt aatatgtttg gttttgatat caacaaaaag 360

angnactcct caagggagaa atttagagtg cctgaatcaa ttgggaaatg ttgtccggta 420

ntgtccttct gatantgggc gaatggtatt tcaanttcct ta 462

<210> 16805
<211> 53
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-E8

<400> 16805

atggggtaca ncggctcaca ttaccgctgc accncagggt tcactcaagg gaa 53

<210> 16806
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-E9

<400> 16806

aaaatnaaaa cgacgatgga gganttccaa tctcctagaa tacgatctta caaatcgtat 60

gaaggagata ggaacctcca actggttaat cctgcanatt taaaactggt cagagggata 120

tatgttgtta gagaatcgag gcgcaatcga tctccgataa aancagatat atggcgcaag 180

atgtcttaca aagacatgcc cgttagaccg anaagatctt cttctcattc gacattgttc 240

aaaggatggt ggaacgatcc ggagataaag agaaagagac gagtggcgaa atacanactc 300

tattcagccg aagggaagtg aagatnactt tgagaaagag ttacanatgg attaanatcc 360

aatgctcgnn gatcattcat ggnatataag tctctcnatc tcnactctgt tttaactgtt 420

tanaagnttg ntttgaaaa 439

<210> 16807
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-F11

<400> 16807

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cactcttcac tattgaattg gggatggact cagagaaaat cctcaatcca agacttgttt 120

cgattaatag caccagccgc aaaggtatgt ccgttgagtt gccgcagaaa ccgccgccac 180

cgccgtcgtt gttagaccgg tttaaagctt tgcttaatca gcgtgaagat gagttcggtg 240

gtggtgaaga ggttttgcct ccgagtatgg atgagattgt tcagctttat gaggttgttt 300

tgggtgagct tactttcaat tctaagccta ttatcactga tctcactatt atcgctggtg 360

aacaacggga acatggtgaa ggaatcgcta atgctatttg cactcgaatc cttgangctc 420

ctgttgaaca a 431

<210> 16808
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-F3

<400> 16808

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tctgagttct cctggtggat tttatgagtt aggcttcttc agtcctaata atacncagaa 120

tcagtatgtc gggatctggt tcaagaagat tgttcctcgt gtagttgtgt gggtggctaa 180

cagagatacg ccagttacta gctctgcagc anatctcact atcagcagca atgggagcct 240

gatcttgctt gatgggaaac aagatgttat ttggtcaaca ngaaaagctt tcacatccaa 300

caaatgtcat gcggagctct tagataccgg aaattttgtt gtaattgatg atgtttcaag 360

gaataagttt atggcaaaac ttcgaacatc ntggnaatac aatgctgcct cnagtcntca 420

ntgatgtang atacctctaa tngcangaag cntttgt 457

<210> 16809
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-F5

<400> 16809

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ggagaacaca tgtctaaggg atctggatca tctggttccg atggaagctc tggtgagggt 120

acaagtggga ctgagcagac gcctgaagct gaattcgagg aggccagtgg ttcaaggaag 180

tgaggttgcc gctaaccggt tccatacaga aatcaggttt ttcccaaaat aagtttacat 240

gcttatctcc tccctcacaa atttgattag ttttgtgtat ttaaaacctt atttgagagg 300

tatcatctct tcgaaaccta ttgagagtcc cggatgtant ttgtttgatt ggtattttca 360

tgaagtttac ggttattatc cttgaccggt taaatgagtc aatttcacat aaannaaaaa 420

aaaaaagggc ggcgctctaa angatcaang 450

<210> 16810
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-F6

<400> 16810

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attctgggat ctgtagctgc aatctatgtg gtcatggcac catatactaa ggtggaagag 120

agcttcaacg ttcagtcaat gcacgacatt ctttaccatc gccatcattt ggactcttat 180

gatcatttgg agttccccgg tgttgtccct cgaactttta ttggagcctt catagtctct 240

gtttttgcat cacctgttgt atcaattatc aagctgcctt ggnttcccca aggtttatac 300

ccttgttgca cctcgtttgg gtgttgggct gcatcatatt gtccacacta agatttntcc 360

cggattcaga tnanaaaaan ngtttgggaa atccaagtgg gaaactttcc ttgnaacttt 420

tcancaagtc ngcaagnttc aatttccttt tcannngcac tcngtc 466

<210> 16811
<211> 380
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-F7

<400> 16811

aagtgtctgt ntgnccgncc taccganacg anattcccgg ntngncccac gcgtcagaan 60

agaagaaaaa cacaaaaaaa aataaaacct ttctatttct cttcctcctt tgagctttga 120

cctctcctcc atctcccccа ccctttttatg caacaatggg aaattgttgc tctcacggac 180

gggactcagc cgataacgga gacgcattgg aaaacgganc ttccgcttca aatgctgcca 240

attcgactgg tccaaccgcg gaagcttctg taccanaatc aaaacatgca cctccttctc 300

ctcntcatgc anccanncaa ggcctaatng gccctgtcat aagtcgaccc atggaanatg 360

ttaaaagctt canattctta 380

<210> 16812
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-006-Q1-E2-F9

<400> 16812

aagtcggaat ttttccgaga aaattcaaaa gggcgaaaaa aagagctttt gcgtacagtt 60

ttcgaattgg tctccttcgt acgggcaagc tatggttcaa gagaactatg aatgaaactg 120

tggtgtaaga gaatatcaat ggttgttatc tgctataatg ttttttggac caagtgagtt 180

tgatgctgat gaaatgggtt atgcaatgag tagacttgag atagaatccg atctatgtga 240

tactggaaaa gacgtttgtg gagttggtag tagtagtggt agtcacagat caagtgaaca 300

tttggctgat ctagaccatg aaatcagcca ggttactaaa ttgaaatcta atcctcatca 360

acggtataac cgtgaagtcc ctgggagaca tcagttacct gtgtctactg g 411

<210> 16813
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-G1

<400> 16813

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cgatgccaga gttctctagc tcggtgaagc tcaagtacgt gaaacttggt taccaatatt 120

tggttaacca tttcttgagt tttcttttga tcccgatcat ggctattgtc gccgttgagc 180

ttcttcggat gggtcctgaa gagatcctta atgtttggaa ttcactccag tttgacctag 240

ttcaggttct atgttcttcc ttctttgtca tcttcatctc cactgtttac ttcatgtcca 300

agccacgcaa catctacctc cgttgactaa tcctgttaca aaccaactgt cacgtgtcct 360

gtcccctcgc aaanttcaag ggaaaacccc cgttttattc ccaaggncaa gcctaananc 420

gtcnagttca aaatgagatc cttgaccgt 449

<210> 16814
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-G10

<400> 16814

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tccaggaacc cgaagtcgta tacgtgcttc ttaatcgcgt ccctgaccat gtctccgccg 120

tactctccgg ctttcacagg tttagactca aaggccgtgt ctatccaaca attctaccgg 180

acggtaccgg aaaagtcaac ggaaaggtgc taaagggcat aacagatgat gaactgaaga 240

tgttagatga gtttgaagat gttgaatatg acagaaagac tgttgaagta atgctgacgg 300

atacttcaga gaagctgcaa gtcgaaacat atgtatggaa gaacaaagat gatccggatc 360

tttatggaga atgggatttc gangaatggg ngacaacatg acaaggaaga tttcgttaca 420

gcgaccaaga agtt 434

<210> 16815
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-G11

<400> 16815

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aatcgagttt aaaggggaca tggttgtggc gactccagat atcttccaag tacctctgac 120

atctgatgtg gaattcatta ttttagcttc tgatggatta tgggactaca tgaagagctc 180

agatgtggtt agttatgtta gggatcagct ccggaaacat gggaatgtgc agcttgcttg 240

tgaatctctt gcgcaagtag ctttggaccg gcgatctcag gacaacatta gcatcattat 300

tgctgatcta ngaagaacag agtggaagaa tctccccgcg cagcgacaaa acgtaatggt 360

tgaactggtt caggctgcaa cgactatcgg tttagttact gttggcatat ggatgtcttc 420

acatctatct taag 434

<210> 16816
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-G6

<400> 16816

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gatctctctc tctctcnttc tcttccatct gacctgtgat gtgagtttgc agatattcat 120

acaactcaat cctcattccc tttgtttcgc ctctctggat ttcgangagc tgagagatta 180

tggtttctcg attttcgaga ttaggagtct aatccccacc accagcatag ctganatcct 240

ggaggagaga atgacggatt cgggtctaat gatgccggcg gagattgctg gaattctaac 300

cacggcgatt acgagttggt gggatgatgt naatgaggtc aactcagtgg caagatggga 360

tcttttcgct cttgtggtgc ttatgctctt gtttncgccn ttgctcttgt tcaagngnta 420

ngggttcaaa atgagaatgc ctgagtaatg gttggaccan tcangaagng ttcaaactta 480

tgaactttgt cngtcaatgg nanttct 507

<210> 16817
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-G9

<400> 16817

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cgtcttcttt gcaactctgc tcttcctttc acggcgagta cttagctccg tcgagatgct 120

ttctcggagc tccggtcact tcctcttctt tatcactctc cggtaagaag aactcatatt 180

ctccgagaca gttccatgtt tctgccaaga aagtttctgg gttagaggaa gccattagaa 240

tcagaaaaat gagagagctt gaaactaaat caaaagttag gagaaatcca ccattaagac 300

gtggaagagt atcgcctcgt cttcttgtac ctgatcacat tccaaggnct ccttaagttg 360

agtctggtgt attaccggat atatcaagtg agttccaaat tcctgggtcc tgaaggnaat 420

ggg 423

<210> 16818
<211> 531
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-E2

<400> 16818

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ttctgttctt tttatttttt taaagaatgg cttcaatttc tgcaactttg ccttcgccat 120

tgttactcac acagagaaaa tccaatctca catcgattca aaaactccca ttttctctaa 180

ctcgaggtac gaatgatctt tctccattat ctcttactcg aaaccctagc agcatcagtc 240

tgatggtgaa agctagtgga gaaagctcag attcatcgac tgatctcgac gttgttagta 300

cgattcagaa tgtttgggat aagtctgaag ataggttagg tcttattggt ttgggttttg 360

ctggtattgt anctctttgg gcatcattga atctcatcac ggnaatcgac aaattgcccg 420

ttatcctcga gcgggattcc gaactanttg gnaaccttgt tccccaacgg taagtaataa 480

aggcttggna tcaacctcaa taagtataaa atggttaagg ttccttgatt c 531

<210> 16819
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-B8

<400> 16819

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atgaagaaga agacganaag gtcccagatt ctggnaacaa agttaacggt gaagccgtga 180

aaaaagggta cgtgggaata cacagttctg gattcagaga cttcctttta aaaccggagc 240

ttctcagagc tattgttgac tctgngattt gagcatccat ctgaagtgca acatgaatgt 300

atccctcaag ctatcttggg catggatgtc atctgccaag caaagtctgg taaggggaag 360

actgctgtgt ttgtcctgtc tactctacaa cagattgaaa catctcntgg ccaggtttcn 420

gcacntgtcc tgttgcatac naaagaacta ncttaa 456

<210> 16820
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-006-Q1-E2-C1

<400> 16820

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caaaataaaa acaagcctcg ttcttccctt ttctctcttc aaatcttttc ttttacatat 120

tttcttttct ttttttttgtc tttaatacaa atttactaac taatcagaat aaaaatgggt 180

tcgagtaagt ttaaacgagc cataggagcc gtaaaggacc aaaccagcgt cggtctagcc 240

aaagtcaatg gtcgaagcgc ttctttatct gaacttgacg tagccatcgt caaagccact 300

cgtcacgaag agtttccagc agaagagaaa tacattagag agattcttag cctaacttct 360

tactcacgca gttacatcaa cgcttgcgtt agcacgcctt cgagacgcct taataaaacc 420

aaatgctggg accgttgccc tcaaaaacct tgatttgatc 460

<210> 16821
<211> 76
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-C10

<400> 16821

tgggtgactc tgctccttct tttgagtcng atcgaactgc taantctttt gctnaacggc 60

atgggttngg aataag 76

<210> 16822
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-C11

<400> 16822

ggctcatacc attacggaaa gatcaacatt acccgtagca tcaagcttgt caactctaaa 60

agtgtggttg acggtaaagt ccggtttggt ttcaatggtg tatcacacgt tgacaccgag 120

actcctttga agcttgctga gtacttccaa atgtcagaga aggttttcaa gtacaatgtg 180

atcaaggacg agcctgcagc caaaatcaca gcattgactg tacaacctaa tgttctcaac 240

atcactttcc gtacctttgt agagatcatt ttcgagaacc acgagaagac catgcagtca 300

tttcatttgg atggctactc cttcttcgct gtcgcttctg agccagggan gtggacacct 360

ganaagagag agaactacaa cttgctcgat gcggttagca gacacaccgt gcaagtct 418

<210> 16823
<211> 88
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-C2

<400> 16823

ttaaaaggna acaagccccc tggngtacat tagggaattc cgaaaattga anaacttttg 60

gggattttcc ggaaaccggn aaggaagg 88

<210> 16824
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-C5

<400> 16824

tgttgcctgc ctaccggacc gaattccggg tcgacccacg cgtccgctga cctccaagga 60

aaagatggaa aactgttgag cctacaacca acctctgcag atgtagtcta taaagaggta 120

aacgatagtg agctttcgag tccaagttca gacaacctgg aagatgcccc tccaagtatt 180

tctttggtca agaaacagtt tgcgggtaga tatgctatat catctgagga gttcacaagt 240

gacttggttg gtgctaaatc aagaaatatc gggtatctga aaggaaaagt tccttcttgg 300

gttggtatcc caacttcagt tgcgttgcca tttggtgttt ttgagaaggt tatctccgaa 360

aaggcgaatc angcggtgaa cgataaattg ctagtattga agaaaactct tgatgaagga 420

naacaangtg ctctgaagga aatccggcan acactgttgg ggctagttgc acccccagaa 480

ctgggttgaa naactgaaaa gtncta 506

<210> 16825
<211> 378
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-C7

<400> 16825

gcagagacag agaagatggg catggcaatg aagtcagttt ctaacttcgc aatcttttta 60

atcctctttt tggtcacctc tgaaatatct gagatagaag cgaaagataa ggaatgtcta 120

aaaggataca ttgatgcgcc tttaagctat tgtatggcta ngatttancc gtcgttgtgt 180

tatcgaaatt gtcgttttta caanggcgcn aaangtggaa aatgcgacgg tcntaagtgc 240

ttctgcgact tctgcaacga caagnctttt tantccgttt ctgatgagaa atgtttgaat 300

cctggcatgt nnnaatggnt tgtgtaatga tttaaaggta acgaancaag ttaaantcan 360

ntaagttnaa taaaaant 378

<210> 16826
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-D1

<400> 16826

aactcttccc caaaaatttg caaattcaac gactcgtctc ggcgatgatg gaacgaacct 60

acggccgccg taagccgggg attccgagga ccctatcgga ctctctaaac gactctgttt 120

ctcagactga gtatctctct tcctcttcgt cgccggacat cgagcccatt gattactctc 180

tccttccttt ctccagtcaa gagtcttcct ctctctggca ttcttcttcc aggtcaaatt 240

tcagagagga ttatccacag aacggaggtg ttgtacggag ggcgaaaaga gtcaggaacg 300

gtgctgaagc tgctgctttt actttcactt tgcttgaggc tcaagaattt ggtgaactga 360

tggancatga agatgaagtt aacttgcgcc tgatgggttn angaaaagga caccaactca 420

agggttagaa ganctancnt gtcctctc 448

<210> 16827
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-006-Q1-E2-D11

<400> 16827

tgatgtgcac aagagcatta aatataatgt ttgggctagc acaccaaatg gaaacaagaa 60

gcttgctgca gcataccagg aagctcaaca gaaagctggc ggctgtccca tctttctgtt 120

tttctcggtc aatgcaagtg gacaatttgt tggtcttgct gaaatgacag gaccagttga 180

tttcaacaca aatgtggagt actggcagca agataagtgg accggctctt tccccctcaa 240

gtggcatatt gtgaaggatg tgccaaacag tttactgaag catattactt tagagaacaa 300

tgagaacaaa cctgttacca acagcagaga cacacaagag gttaagttgg agcaaggttt 360

gaagattgtg aaaattttca aggagcatag cagcaagact tgcattttgg atgatttctc 420

attctacgaa gttcg 435

<210> 16828
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-D12

<400> 16828

nagtgcgaat gaaccagcta tgaaaagctt gaaatccaat ccttcaggac cgataccgaa 60

ctttttcgta tcgctctctt cggcatttac gcaaacacct cttgtgcgtt cgaacaaacc 120

caatttgctt cttctaccac cagttgcaga ctccgtcaaa ttgattcaag actttcatca 180

gtctctgatt tctgctactg agaaatttaa aggattcctc cattcgctcg cctctaagaa 240

ccctctcttt caggaagcgg ttcgcctatc ttccgaattt cacattttgt gcgacgaaga 300

ttcgtttgag aaacactaca aagggtgagg gttgcgatgt ctaatcacgg gatttgcagc 360

gggttctgcc tggagattca attgcangat ttggtggttg ctaatgggtt gattaaattc 420

ctcaancata tata 434

<210> 16829
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-006-Q1-E2-D4

<400> 16829

aaatnactct cggtatctcc tcttgagtgg agcgaatatc canaaangtt ccgagtttct 60

tncatccttc acgagcttat acttttttctt ctccattcgt ntgtttttaa cgatnnncna 120

caacggcgaa ggtattggaa ataagacaga agctgttagc tctgtttctc catggtgtca 180

agatcttgtg ctaattttct agacttatca tcttgggacc ttttanattt tcctcaaact 240

ccacgaactc ttccacgcgt catgactgtt ccgggaatca tcaccgacgt agacngtgat 300

acaacctccg aagtaacttc tacctccggg tggttcacgt gagangaaga tnantgtngc 360

taaacatgtt accactccaa atctaaanga natgcatnan ccgggtaaaa tggtgtttta 420

acctgggacc naagactctc tncaagttt 449

<210> 16830
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-D5

<400> 16830

gaaagcagga aagaagcata tcaactttgt taaatcttgc ctagcattta gcgaagtgac 60

catcccatct atttcatctc ccacgaaaca cttaaatctt tatcttgaaa ctgctgaggt 120

tgcactttta ggtggtttga tttctcattc agatgaactg gtcatgtcag ctgttgagta 180

tctagagaat gtagtgctga cagatggttt aaaatcaatt gatatagata gtatggcctc 240

ggttatatgc aaattgtgca gcctcttggt aatgatccca ggtaatcccg agaaaggcgt 300

gatggagatc cttaaaagta tcttctctgc tactcgctct agttcatggg caacactgag 360

agtaaaggtg aagattttct gtgctataat gtcactgttg tcgacacttt ctcangacaa 420

tctgccttaa caatctgcca atcca 445

<210> 16831
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-006-Q1-E2-D6

<400> 16831

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gcgaagagat caatggtgga tgagctggaa gcaatgttag atgtggtaga cccgcaaccg 120

caggggaaat cattgtcgat gagaagaaga acatttgata tgccagacag tttgatccgc 180

aaagaaatcg cagagggagt gactcagatt gtgcagatgc ttgaaacgga agaagaatga 240

tggaatggag cactgtgtgt ttgtgactca ngggctgttt ttgttgttgt ttgtgactgg 300

gaaagaactg atnagcctct ttaagtttga ttaagtgttc cgaatgtttc caattatgca 360

agacaaaatt taataatgaa aatggcttga aagaaagaga ttggggtccc cgcctcgcat 420

cnattctcaa cctcctcaaa atccttgtcc cctccttaag tccgggttcc g 471

<210> 16832
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-D9

<400> 16832

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ccagagaaga gagtttaaaa aatgagaggt tcttgcaaag tctctatagt tcttcttctg 120

gttttaatca atggtgtgct tggagataac ccttatagat tcttcacctg gaaaattact 180

tatggcgaca tttatcccct tggtgttaaa caacagggaa tattgataaa tgggcagttt 240

cctggacctc acattgacgc aatcacaaat gataatatca ttatcagtgt tttcaattac 300

ttgaaagagc cttttctcat ttcttggaac ggagtgcaac agaggaagaa ctcatggcaa 360

gatggagtcg tagggacaac atgtccgatt ccaccaggca aaaacttcac ttatgtaatt 420

caagtcaaag atnaaattgg 440

<210> 16833
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-006-Q1-E2-E11

<400> 16833

ngcgttacgt aggcctccgg aattcccaan gtcgacccac gcgtccgcat tgacacgatc 60

attaccaagc attggctcca actacgaagc ttgggcggtt gatttctcct cattcgtggt 120

cgactcgaga gactctctct cggtccaaag gttcgagaag tcccttaaga agatgaagcc 180

cgagacagct cttgccttag ctaagatagt gtttggtagc gacgagagag agattttggg 240

acaagtgtca gtgccttgcc atgtcataca accaggaaac gacgtcgtag tgcctgtctc 300

cgtcgcatac ttcatgcagg agaagattaa ggggaaatcg acagtggaga tcatcgagga 360

cgcgatcggg cattttccac agatgacatc acatttggag ctgcttggcg tcatgaggcg 420

cctccttgag ttttaaggct tatataaaga gctttgcgtc gtttgatcga gtttcctcnt 480

gtctanaaaa 490

<210> 16834
<211> 526
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E2-B7

<400> 16834

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gcgtcnggga cgaaaacact caagcttgca gagatctttc actttaatcc ttgagaagta 120

gcaaaaatgg ctgaaaaggc ggtcaccatc cganccagga aattcatgac caacagactt 180

ctctccagga agcagttcgt tattgatgtt cttcaccctg gaagagccac tgtttcaaag 240

gctgagctga angagaagct agcaaggatg tacgaggtca aggatccana tgcaatcttc 300

gtantcaaat tcagaaccca ctttggangt ggtaaatcat ccgggtttgg tttgatctat 360

gatactgttg anagcgctna gaagtttgan cccaaataca gacttatcag gaatggactt 420

gncactanga ttgacaaant caaggaanca nnttatngaa aggataacag ggcgaagaan 480

atccgttggt gttagaagac aaggctggtg attnccagga agaact 526

<210> 16835
<211> 448

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-C5

<400> 16835

agctacggtc agcttttctc tagcgtcggg gcctcgatct cttgatttga gcttttctta 60

ngtctgtctc tctctgtaca ctctctccgc cgtcgtatct cgccgtcgat ttcaattttt 120

ccgacgatat gaagctcacc gttaaaactc tcaagggcag tcattttgaa attagggttt 180

taccctccga tacgataatg gcggtgaaga agaatggggg aagattcaca aggaaaagac 240

aattatccat gtgggcagca attgttgatg ggacaatgga aaagttttga aagatgaaac 300

tancctggtg gagaacaaag ttacggagga aggattctcg tccgttatgc ctaacaaaga 360

gggaatctgg angttcaact gggtcangct tcggttcaaa cttcctctgt ttcacaacct 420

gtttccgcta acacatcttc gactaagc 448

<210> 16836
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-C6

<400> 16836

atctgcttga cttttcttca gaggagctca cttggtctgc ttctgcttct gagaatccca 60

aaggtaaggg caacggaaca ggggacgttg gatcggacac aaggacatgg ttnagtgctg 120

ctctctccaa ccaagccact tgtatggaag gcttcgatgg tacctctggt ctcgtaaaat 180

cccttgtcgc tggcagtctc gatcaactat attctcntgc ttagggaatt gttaccactt 240

gtgcaaccag agcagaaaac caaaggctgt ttctaaacct ggccctattg ctaaaggacc 300

gaaggcacca cctggccgta aactcagaga caccgacnaa gacgaaagcc ttcaattcca 360

agactggggt cagaccggac gatcgtaaac tattagaatc aaacggtagg acttacnact 420

tantgtacca ttggatggga anaggcaa 448

<210> 16837
<211> 423

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-C7

<400> 16837

aaaggacaca gcttttactt ctataactga gcgaagcagg tgaaaaaatg gcgaatcgga 60

agttagagaa gatggcatcg attgatgttc atcntcgtca actggttcct ggcaaagtta 120

gtgaagacga caagcttgtt gagtatgatg ctttgcttct agatcggttt ctcgatatcc 180

tccaggattt gcacggtgaa gatctccgtg aaactgttca agagctttat gagcattctg 240

cagaatacgg ganggaagca tgaacctaag aagctagagg agctagggag tgtgctaacg 300

agtttagatt caggagattc cattgttatc gctaaagcgg gctctcatat gcttaactta 360

accaatttgg ctgangaagt gcanattgct tatcgccgta ggatnaagaa actgaagaaa 420

ggt 423

<210> 16838
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-C8

<400> 16838

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tattggcggg tgtaagtgca aacgaacata cttacacaaa gatcatgcaa ggctatgcat 120

cagtcggtga taccggaaaa gcctttgagt attttacaag gctgnaaaac gaaggtttgg 180

atgttgacat tttcacttac gaggcgttac ttaaagcgtg ctgcaaatca ggaagaatgc 240

agagcgcatt anctgtcacg aaagaaatnc ntgcacggaa tatcccgcgc aattccttcg 300

tctataacat attaatcgac ggatgggcac gaanangcga tgtatgggaa nccgcngatc 360

ggatacagca natgaaaaaa naaggtgtta aacccgacat catacttaca catccttcat 420

tancgcttgt tcnaaggccg caa 443

<210> 16839
<211> 179

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-D1

<400> 16839

gagctctagt gtgcttgatg acttttgtgt taaaacgagt gtcttggtta ctttatgaaa 60

tattctaccg gctttatttc tttcgtctgc tttctagctc gagctatgtc tgantttata 120

cacaaatgtc tttcagtagc aaaaattctg cactaaaaaa aagaaaaaaa aaagggcgg 179

<210> 16840
<211> 71
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-D10

<400> 16840

aaaacanagc tcctgagctc agacaggtga tagcagcagc ngttgcangc aacaaggaga 60

aatataatga a 71

<210> 16841
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-D12

<400> 16841

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cacgcgtccg gtgaagatga tgtgcacaag agcattaaat ataatgtttg ggctagcaca 120

ccaaatggaa acaagaagct tgctgcagca taccaggaag ctcaacagaa agctggcggc 180

tgtcccatct ttctgttttt ctcggtcaat gcaagtggac aatttgttgg tcttgctgaa 240

atgacaggac cagttgattt caacacaaat gtggagtact ggcagcaaga taagtggacc 300

ggctctttcc ccctcaagtg gcatattgtg aaggatgtgc caaacagttt actgaagcat 360

attactttag agaacaatga gaacaaacct gttaccaaca gcagagacac acaagaggtt 420

aanttgganc aaggtttgaa gattgtgaaa attttcaagg agcatancag caagacttca 480

ttttggtgat t 491

<210> 16842
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-D2

<400> 16842

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caatcagtgt ctaccccagc tgaatcttca gactcgaaat cgaagaaaga tttcagtact 120

gntattctcg agaggaagaa gtctccgaac cgtctcgtcg tcgatgaggc gntcaacgat 180

gataactccg tcgtctctct tcaccctgca accatggaga agggtcagct cttccgtggt 240

gataccattc tcatcaaggg taagaagagg aagganggtg tctgcattgc tcttgctgat 300

gagacatgtg aggagccaaa agattaagaa tgaataaaag tnatcaagat tctaaacttt 360

gaagggttaa gactngggga gaatgttaat aatcccggnt caaccaaatg gccccaagaa 420

cnttcaaagt tacggggaaa gccttgtttc aaaaacccng gcctggttnn annaanaant 480

ggttngaaag gg 492

<210> 16843
<211> 527
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-D3

<400> 16843

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cgacccacgc gtccgtccaa ctcccaaaaa tggcgattcg tcttcctctg atctgtcttc 120

ttggttcatt catggtagtg gcgattgcgg ctgatttaac accggagcgt tattggagca 180

ctgctttacc aaacactccc attcccaact ctctccataa tcttttgact ttcgatttta 240

ccgacgagaa aagtaccaac gtccaagtag gtaaaggcgg agtaaacgtt aacacccatn 300

gaggtaaaac cggtagcgga accgccgtga acgttggaaa gggaggtgta cgggtggaca 360

caggcaaggg caagcccgga gganggacac acgtgagcgt tggcaacgga aaagtcacgg 420

aggtggcgtc gcaatccaca ggggttaacc cggtaaaaga accgacgtta ggantccgta 480

aangcgtgtg acggtgcaca cgccccacaa gggaaaaccg atttact 527

<210> 16844
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-D4

<400> 16844

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gtctcgttta tcctctatat gcttcagttc aagcgattga aactcaatct catgctgatg 120

acaaacaatg gctaacttat tgggtccttt attcattacn tacactcatc gagctcacat 180

tcgccaaact catcgaatgg ttaccgatat ggggatacat gaagctgatc ttgacttgct 240

ggcttgttat tccctacttt agtggntctg cttatgtcta tgaacatttt gtgagaccgg 300

tgtttgttaa ccctcggagc attaacattt ggtatgttgc caaaagaaga tggtngnctt 360

cagaaaaaca aaccatgttg ttaacaanct gctgaaaaat ncattgcaaa agaatggacc 420

tgaagccttt tgaaaaaant ttaaac 446

<210> 16845
<211> 519
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-D6

<400> 16845

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tgcaacatct gaagcagtaa cagaggctga gccaggtttg atgatgaact tctacaagga 120

cacgtgtcct caggcctaag acatcgtccg tgaacaagtc aaactcctct acaaacgcca 180

caagaacacc ggtttctctt ggctccgtaa catcttccat gactgcgccg ttgagtcatc 240

tgatgcgtcg cttttgctgg attcgacaag aagagagcta ggagagaaag anggggacag 300

gagcttcgga cttagaaact ttaggtacat cgaggagatc aaggaaggtc tcgagangga 360

gtgtcctggt gttgtctcan gttctgacat tctcgtcttg tccgcaagag aaggatcgaa 420

ncantaggag gangggatat tcctttgaag acaggaagga nagatggnct taaaagcagg 480

acgatatgcc cnantcatat cttcccgaca caacaagat 519

<210> 16846
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-D7

<400> 16846

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aattacaagt cgaagaagtc gatgaccttc acgattccga ttccgatgat aataatgatg 120

atctctcttc atttcctttc tcttcccacg ctcaagcttc tggtaacctc ggtgatgatg 180

aacttatgtt caacccagct ttggcttctt ggcatatgta tcttggcgag gttgaagaca 240

ctcaaaacag agtttctttt gtgggtggag gaacggtatt gaagatcccg cttttctatc 300

ntgaaggagt ggttcnattt cctgaggcaa cactcccccc ttagaatcat tgggcctant 360

tccttggctg cngttgagan agctttgaac caagctaacg ctccttctac gataaggtgt 420

gattcgtgtt taaagana 438

<210> 16847
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-D8

<400> 16847

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tcatcatgat gcagcagcca ccacccggag gtatccttcc acatcncgct cctcctcctt 120

ctgcgcaaca acagtacggt taccaacaac cttatcggat tgctggagct gctccaccac 180

caccacagat gtggaatcct caagcggtng gggccgccat cagttcagcc tacgaccgct 240

gacgagatcc ggactctttg gnggggggac tacagtattg gatggatgag aatttcctct 300

acggttgctt tgctcatacc ggagagatgg tttctgctaa agtgattcgt tngnaagcaa 360

accggtcaag ttgaaggata cggtttcaat tgaattcgca tctcaagctg ctgctgaaag 420

agttctacaa acattcaaca 440

<210> 16848
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-E1

<400> 16848

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atatggagaa gcagcgtctg agcgacaagc cattggttca ggactcttgt ttcatggagt 120

taaccaagga gattgcgttg gactctattt tattaacaga ccanagtggt tggttgtgga 180

tcatgcttgt gcagcatatt catttgtctc tgttcctgga tatgatacac ttggtccaga 240

cgctgttaag tttgtggtga atcatgctag gtctgcaagc tatattttgt gtaccacaaa 300

ccttgaataa tttgctaaag ccttcctanc ggnaatccca atccattccg tcctcaaatt 360

gttgtgggtg gggaaagggg cttaatgaan caattttgcc aatcaacttt cctccaaggg 420

aactgggngt cccaaattgt tatcaatanc aaaaaagcct aattggngtc caagg 475

<210> 16849
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-E12

<400> 16849

ngnannttnn cngccntcta cgccgcaaag taccggtcac naattcccgg gncgacccac 60

gcgtccnaac gctgcaaggc ctaaccccca aggctcatac cattacggaa agatcaacat 120

tacccgtagc atcaagcttg tcaactctaa aagtgtggtt gacggtaaag tccggtttgg 180

tttcaatggt gtatcacacg ttgacaccga gactcctttg aagcttgctg agtacttcca 240

aatgtcagag aaggttttca agtacaatgt gatcaaggac gagcctgcag ccaaaatcac 300

agcattgact gtacaaccta atgttctcaa catcactttc cgtacctttg tagagatcat 360

tttcgagaac cacgagaaga ccatgcagtc atttcatttg gatggctact ccttcttcgc 420

tgtcgcttct gagccaaggg aggtggacac ctgaaaagag agagaactac aacttgctcc 480

aatgcngtta a 491

<210> 16850
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-C2

<400> 16850

ctaacaaatg cacacctcac tacacgcata catacatcat gagngagctt taccacatca 60

ttaccatacc cttttcacat cctactagtc tttatccgct ccatggcatc aatcactcta 120

ctgggtcgaa tactctcaag gcccaccaaa accaaagacc gatcttgcca gcttcctcct 180

ggcccaccag gatggcccac cctcggcaat ctacccgaac tattcatgac tcgtcctagg 240

tccaaatatt tcngccttgc catgaaagag ctaaaaacag atatagcatg gttcaacttt 300

gccggnatcc gtngcatcaa caattaaact ccggacgaag atttgctccg angaaagcgt 360

ttaagaagaa cgaagacgca agattttggg caagaaccgg gcctcaaact tttcaacatg 420

ggngacaatc cggngaacaa nttncaaatc ca 452

<210> 16851
<211> 59
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-005-Q1-E1-H12

<400> 16851

tgctgctgcg atacagtata ttgtaaatca ttacacgtaa caagttcagt gtcngcagc 59

<210> 16852

<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-A10

<400> 16852

catgaactaa gcaatctctt gtaagtcann aggcatcaca agcaatcatg ttgccnnngt 60

tcgatccaac agacnagcca agcttgtctg tctcttcttg aggatgtgac taccaangtn 120

aagcngattc aagnttctgt cttggaagca attctttcnc gtaatgctca tancgagtat 180

cttagtggtt tcctcaacgg tcaagctgat aaganaagct tcangaagaa tgtacccgtt 240

gtaacctacg accgatatta agccttatat cgatcgtatc gccaatggan anccgtctga 300

tctcatctgt gatcgaccca tcattgtact cttgactagc tcaggtacnt caaggaggat 360

tccgaagctg attcctttga cagcatgagg agttgganca agaggatttc tttgcntc 418

<210> 16853
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-A12

<400> 16853

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aatcgagttt aaaggggaca tggttgtggc gactccagat atcttccaag tacctctgac 120

atctgatgtg gaattcatta ttttagcttc tgatggatta tgggactaca tgaanagctc 180

anatgtggtt agttatgtta gggatcagct ccggaaacat gggaatgtgc agcttgcttg 240

tgaatctctt gcgcaagtag ctttggaccg gcgatctcag gacaacatta gcatcattat 300

tgctgatcta ggaagaacag agtggaagaa tctccccgcg cagcgacaaa acgtatggtt 360

gaactggttc aggctgcaac gactatcngt ttagttactg ttggcatatg gatgtct 417

<210> 16854
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-A2

<400> 16854

aaggaggaac caattattgc gttcagtgga gaggaaggca atggtcggta cttggacttg 60

catgntatgt ataaccagta catcaactct aaatttgggg aaagggttga atattctgct 120

taccttgatg ttttttctca accagagaaa ataccgcgta aactgaagtt atcgaggcaa 180

tacatgaagt atatggaagc tctacttgag tacctggtcc acttcttcca gcgaaccgag 240

cccgttgcaa gatcttgacc gggatacttt ccaaanggtt gttcctgaat tttgaagaag 300

caatatgcaa attggaataa ntanaaaggg cctgggataa tgaacttaat ccatctcaag 360

cataactgtc ataannтctt tgattactac agtacaagtc caaggaactg gtaaatgtta 420

ggacctgaaa aagcctaaaa naaggcaatt ggggggcaat taaggactga aag 473

<210> 16855
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-A3

<400> 16855

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ctccggtggg cggcggagaa tctccttgaa gagngcgaca ccgtcatctt gattcacgtc 120

caaccacaaa acgccgatca tgcccgcaaa atcctcttcg aggaaaccgg ttcaccgcta 180

attcctttgg aggantgtag agaggttaat ttgtctaaac agtatggact tgcttacgat 240

cctgatggnc ttgatgttct tgatactctc tctanggcta aaaaggtgaa ggttgtacaa 300

aggtgtattg gggaaattca angggagaaa ctttgggatg ctgtcnaaaa tctaaaactc 360

cattccaatt gntccttgga atccaaggtt gggttctccc aaaaggatct tgctgggtaa 420

tt 422

<210> 16856
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-A4

<400> 16856

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ccatcttgtt agacaacacg acatcatttc gaacagagaa agatgcgttt ggnaacgcaa 120

attcggctcg gggatttcca gtgattgata gaatgaaagc tggcggtgga gagggcatgc 180

ccaagaaccg tttcatgcgc agatatgctc accatctgca agctcaacaa tctgtcactt 240

ttggcaagga gggccttcct tgggagggtt ccctngggga aagggagaag acaatttaaa 300

aagcaatcct gggaactccg ccaatgcaaa tccttccagc tccattcctt aaaacttcca 360

acaacttaaa gccnncttca naaatgttgg nctcnattgt ccttccgatn cccttgctct 420

ctcccggtgg gcaaaacatt tggtaaaaat caatgtcagt t 461

<210> 16857
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-A5

<400> 16857

ctttctttct ctgggagttt gggattttct taagggtctt tttcaattct cgctccattt 60

tgtacgcata gaactgggtt tgtgtttaca cacataaagc tcttatcttt tttcttcttt 120

caatcgagaa gattatagan ctgagtgact gattggtggt ttcttggagt tttaatggga 180

ggttgtttca tgnggtcgga ttaaaacaga tattgcttcc agtacatggc taagttcgaa 240

attcgggagt anagatggga gcaagggctc gtcgaccgct tccttctctt atatgcctcg 300

aacagaaggc nagatcttgc aaaatgctaa actgggaaac tttaatccca atnaactgaa 360

atctgcaact aaggaaattc cggcctgana ttgtggttgg tnaaagtgna ttggttnc 418

<210> 16858
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-A6

<400> 16858

tggatctact tgttggtgaa agaagtggcc ccattaaact tgaagtgaca agacggcata 60

gccttggaga tgatttagag cgtcnaatgt ccgtggcaga aaatccattc acaattttat 120

atgcggtgct ccatgagctg tgcgttgcca ttgtcatgga cacantcata agacaggtcc 180

gagctcttct gcaggggaga tggaaagatg caattctctt cgacttaatt tcagatactg 240

gtancacaac aagcgaanca aagaaaggag aaggnatant cctgttaatc ctccnaacgc 300

aaggnaatga aacttttta ctgggtcaga ttctgataaa aattctggcc catttattaa 360

aattgancna tggtcagntc tccagattaa atgttctcac agcacatttg taattgaccc 420

acttacnggc aaggaaccga ntttccccnc 450

<210> 16859
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-006-Q1-E1-B11

<400> 16859

aaagaaggat gagtatgttg tcagggaaag ctgcttacga tctctttgtc tatggcagtc 60

tccaggaacc cgaagtcgta tacgtgcttc ttaatcgcgt ccctgaccat gtctccgccg 120

tactctccgg ctttcacagg tttagactca aaggccgtgt ctatccaaca attctaccgg 180

acggtaccgg aaaagtcaac ggaaaggtgc taaagggcat aacagatgat gaactgaaga 240

tgttagatga gtttgaagat gttgaatatg acagaaagac tgttgaagta atgctgacgg 300

atacttcaga gaagctgcaa gtcgaaacat atgtatggaa gaacaaagat gatccggatc 360

tttatggaga atgggatttc gaggaatgga gacaacatga caaggaagat ttcgtaacag 420

cgac 424

<210> 16860
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-B2

<400> 16860

tccgatataa tctgatcaaa tcatcgccga cgatcaccga ttcagcgatg caacagggag 60

attacanttc gtactatcac caccaatact ctcaatttca aaatcctact ccgaatccta 120

atcctaatcc caatccttct ccgccggcgc cggcaaccgt agctggtccg accgatctta 180

ctcgaaacac gtacgcatca gcgccaccgt tcaccggcgg ttaccngttc cgccgattac 240

tctaactatt cacagaatta cactccttac gggcaannnn tctgagcaat gtcctccctt 300

aagtcctttc tttaactnaa catcaaaaac tcctcctttc tccggcgggc gaaatnactn 360

aancctnant cggtaatcaa acttnaaaca aacaacaact ccaaccaang aatcaaccaa 420

aaactccaat cctccttaan gggtnaattt gattcccaac ngcncc 466

<210> 16861
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-B3

<400> 16861

ctccacgatc cacgccttga ccttcgtttt ttttttctca gagattagag aaaactccga 60

taancaattt ctcaatcttt ttgtagatcc aatttttcca ggaaaaaaag aggtttcgcg 120

aagaagatga gttttcaaga tttagaatca ggaagaggaa gatcaaggag gaaattcaat 180

ggtggtcgac aagattcgac acaagccgtt gcttctggag gnttccagat caataccgga 240

gtctccacgt ttcagcgact cgttaacaca ctggggtact cccaaagata caccggagct 300

ccgggagaaa ctgcacaaga caaggttgca tattggacag cttgtgaang gatacttcag 360

ctgggcttaa aagaanctan tgaaactgat catcaaagcc gtgtcaatcc aaagtaaaga 420

agattgcana tgccaagcct gcaaagggac ttt 453

<210> 16862
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-B4

<400> 16862

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tactaagcac agaaatagtg aaagctgatc tctctgccaa gagtcttgtc agtgcaactg 120

gggatgtctt caagtatcag acgctcataa ttgcaactgg ttctactgtt ctcagattga 180

ctgattttgg agtaaaaggt gcagactcta agaatatcct ctatctgcng agagattgat 240

gatgccgaca aattggttga agcaattaaa gctaagaaan gtggaaaagg ctgtaattgt 300

tggcggaagn taacatgggc cttgaaccta agtgcaattt taaaggttaa caatttaana 360

tgtcactaaa gggtttcccc ctgaaacctt gggtgcaatg cctaaggctt ttcaaccgnc 420

cgaataattg cctgccttcc aatgaagaac nttactaatn cnaaacaaag gggaattgaa 480

anat 484

<210> 16863
<211> 184
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-B7

<400> 16863

cncancatgc ancccatggt acggatctga ccgtgtcaan tacttggggt ccattctctg 60

gcgaatcacc gagctacctt accggaaagt tccccgnagg gtacggatgg gacaccgccg 120

gactttcanc tgaccccgag acattcncaa ggaaccgtga actanaatta tccacagcat 180

gtgc 184

<210> 16864
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-B8

<400> 16864

gagaccatca aaaattgcag aaaataggct taatctgaat ctcttctcct ccgtcgaagt 60

tttgaattct ctctggttct ccaattctcc tctcgagctg ccttaagctt cgcatttacg 120

tttacgttat gcacgaatga gatcatcgta gatcgtaggt tgaagaagcg agagataaat 180

taggagagcg aagatgagcg agggccagaa gggnccagtt gggaacaatc ggcgctttga 240

gtttgtccgt tgtgtcatct gtcccgattg tgatctgtaa caaagcgctt attagcaccc 300

ttggcttcac attcgcgact actttgacaa gttggcatct tttgggtcac atttcgnttc 360

ccttcaaggt ggcattaagg gatgaaagaa tgttccaaca caaanccntt ttgattcaan 420

gaacctgtta atgggnattt tggcaataat tnaatg 456

<210> 16865
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-C1

<400> 16865

gaaagaagat ggtcggttga gctatttttg cttctcccga caaaattctc agatccgant 60

acttccacca tcatcattca tttataagat ctgggtttta cacagctctg cgagtacagt 120

aactatgaga aggagaggag gggatagttt ccggagagct ggacggagga agatctcgaa 180

tgtggtatgg tgggttctct ctggtattgc cctgggngct cttctttctc attctctcca 240

aagctggtca tattgaacct agacccggga ttcctaagcg acgttaccgt aatgacaaat 300

ttgtanangg tatgaatatg actgangaaa tgttgagtcc tactccgttg ctcgggaagt 360

taatgattaa aattgccctg ctaaaanctt tggttgcaat gctaaannaa nttagaatct 420

canttgcttg gactta 436

<210> 16866
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-006-Q1-E1-C12

<400> 16866

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cctcattcgt ggtcgactcg agagactctc tctcggtcca aaggttcgag aagtcccttа 120

agaagatgaa gcccgagaca gctcttgcct tagctaagat agtgtttggt agcgacgaga 180

gagagatttt gggacaagtg tcagtgcctt gccatgtcat acaaccagga aacgacgtcg 240

tagtgcctgt ctccgtcgca tacttcatgc aggagaagat taaggggaaa tcgacagtgg 300

agatcatcga ggacgcgatc gggcattttc cacaggatga catcacattt ggagctgctt 360

ggggtcatga ngcgcctcct tgagtttaag gcttatataa caacnttgcg tccnttgatn 420

gantt 425

<210> 16867
<211> 73
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-005-Q1-E1-G9

<400> 16867

catggtgttg tcctgtcatg tgccaataat tggctttctc gtattcaaaa gcnggcattt 60

tttacncgga aag 73

<210> 16868
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-G7

<400> 16868

ggagaagtcg aagcttcacg atcgtataat aatggcgacg gcttcagttg cttttaagtc 60

tagggaagac cataggaagc aaattgaatt agaggaagct cgtaaagccg ggcttgctcc 120

agctgaggtt gatgaggatg gaaaggaaat taatcctcat attccgcagt atatgtcatc 180

tgctccatgg tatcttaatt ctgaaaaacc gagtttgaag catcaaagga aatggaagag 240

tgatcccaat tacactaagt cgtggtatga tagaggtgca aagatctttc aagctgaaaa 300

ataccgcaag ggagcgtgtc aaaactgtgg tgcaatgacg catactgcta aagcttgtat 360

ggatangcct cgtaagattg gggcgaagta cacaaaacat gaacattgca cctgatgaga 420

aaattgaaa 429

<210> 16869
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-H1

<400> 16869

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cttctctgct catattttga agaaatctcc agtcgaagaa actgctccct cttttagtca 120

attctcgctt cactccctca atataatgcg atttctcaac cggaatatct gaatctctcg 180

gtggttacct ctgatatatc gccaggaact gaactcctac tcgatctcta tcaacaatgc 240

cgtccttgta gaactttgga tccaactctc tgattccgtc aatttcatta atatcagctc 300

agcgaaggaa ctttgagtag aagaaagata atgtcacatt catgggatgg tcttgggggga 360

agattgcgtc agttggtcaa ctgactggtt tanatgcngt caagttgatt ggtcc 415

<210> 16870
<211> 113
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-H11

<400> 16870

tctcncacga acatcttcct cnccggtcga cgtttctcca tcgtgatcag aatgtcagcc 60

tcttcctcan cgactcctcc acccantgct acctcaaaat cgagggaggg ant 113

<210> 16871
<211> 52
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-H3

<400> 16871

acaacgacat tacttccatc acaagcaacg gnggaagagt taactgnatg ca 52

<210> 16872
<211> 516
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-H6

<400> 16872

gnnnnnnnga aantcctncc gcnctcggta ccggtaagtn aattcccggg ccgacccacg 60

cgtcnancca cgcgtccgcc cacgcgtccg cccacgcgtc cggagccgat gaagagtacn 120

attacctctt caagctcgtg ttgatcggcg actctggtgt cggcaaatcg aatcngctct 180

ctcggttcac caagaacgag ttcaatctcg aatccaagtc tactattggt gttgagttcg 240

ctaccaaaan cactaaagtc gaaggcaang tcgtcaaagc tcanatttgg gatactgctg 300

gtcaagagag ataccgagca atcacaagcg cttattacag aggagctgtt ggtgctttgc 360

ttatttacga cgtgacaatg cacgcaacat ttgagaatgc atcaagatgg ctaangggaa 420

ctaagaagga cacacaagan ccaaacataa tgggggatgc cttataaggg aacaaagtgc 480

gattcngcgt cacttggtgg gaantcaaaa canatt 516

<210> 16873
<211> 188
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-004-Q1-E1-H9

<400> 16873

gtggtgacag gcttattcgt ggggcnaaac aaangacacg ttgttnccaa acgctagcaa 60

cctcctcgcc ctnacagcac attggggaaa acaagcacaa ggactatttt tatcaggaat 120

ctcatcangg aagttgcggg tcaagctccc tatgatnaag aggatcactn agcttttgaa 180

ggttggta 188

<210> 16874
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB25-005-Q1-E1-A10

<400> 16874

anncatanaa attgaacaac aagtttttt ttcctggctt ctaaaanaag ataactaaaa 60

atttaacaag gtttatacta ctatgatact acactgttag cagttagctt catcttcagc 120

cacgccgtta aacttccatc aaccaaanat agttaactaa atcgttgaag atgccacgtg 180

tttcggcgga aattttagat atttctcaca ccggcggcaa cgagtcaccg acgcttggcg 240

aactcctgaa agatttcaac gacagtggcc ggaaaaaata tcccggcgaa aatgctccga 300

ctcaacacat attggatctc gctcccgcgg ctganacacg atctgtgccg tttctcttat 360

ccttcaacaa tctcagttac aatgtttgta cttcgccggg nggttgattt cnccccgggaa 420

agaccgcntc cg 432

<210> 16875
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-005-Q1-E1-A11

<400> 16875

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gtcganccac tctttcataa caaaacactg ctcttccttc tctccgccgc cgcatcgtta 120

aatctctccg tcatctgtaa ccggttaaag tatttccctc aggtcgacct gaaaacgatg 180

ggcaaacgag gaccgaagaa gcttacaaac actcaaggag gaggaggacc taatctcaaa 240

tctgtactga gacatgagca cttgaagaat ctcgctctct ggtcttccac cggagatact 300

cctatcccgt ctcttgcttc attactcggt cgacgtctcg ctgccgacac tgaatccacc 360

ggaatcacta ctgatcccga tctcgtctct tgtcaaaggt gtgagaccat tcttaagcct 420

ggattcaatt gcaatgttag aatanagaaa ggttctgcta atgtgaagaa anaacttata 480

ggtgcaagaa ntctaacaac a 501

<210> 16876
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-005-Q1-E1-A12

<400> 16876

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aaanagaatt ggttgctttt acccggaatc gtatctgctt tcatactcca tactgttctg 120

aanaaaggag gttctgaang cttcaatgtc acanccaaag atataaaaga ggaaagcata 180

cagactaaac ttgttgctgc gacagaaaat aatgtgaatg caaactctac gaatgtggag 240

acccaaactg ctattacagc ccctaanaaa ggcagcggtt gcggcggtgg ctgtagtggt 300

gaatgcggaa acatggtgaa agcagctaat gctagcggtt gcngcantag ttgtantgga 360

gaatgcngag acatgntgaa atcagcagca aatgctancg gctgcggtac tggttgtanc 420

ggtgaatgtt gaaaatatgg tgaaancanc taaccctant ggttggttgg ttatggggct 480

aaatccaacc c 491

<210> 16877
<211> 72
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-005-Q1-E1-B9

<400> 16877

ttgcngcttc aaccggagct cttcctctgc ttttacgntc cttctccaca ctcgtcgatt 60

ctcaanccaa ta 72

<210> 16878
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-005-Q1-E1-C11

<400> 16878

ngnnnnnnnn ggnnngnaat tctaccnggt cntntaacgg gcacnnattc ccgggacgac 60

ccacgcgtcc anccaaattg tcntcccaga ggcgaggaca cacaacctca atctgttcgt 120

cgctgtcgca gatcggagag atgggtgtcg atttggaatc ggtgtcggaa gcaacctcgg 180

gagctattgg gtcgcttctg agtacaacga tcttgtatcc tcttgataca tgtaaatcaa 240

agttccaagc cgaggttcga gctcgtggtc agcaaaaata cagatatctt tccgatgtta 300

tgtgggaggc aatttctaaa ggacaagtct tttcactgta tcaaggcctt ggaactaaga 360

attttcagtc tttcatttct cagttcatct acttttatag ctatagctat ttcaagagag 420

ttcatagtga aaggactggt tctaaatcaa ttggnactaa ngntaanttg ctcaatgctg 480

ctgctgctgg gggcttgtac ttcgt 505

<210> 16879
<211> 90
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-005-Q1-E1-C9

<400> 16879

nagatggntt ctgatgaacc gaatgggagt ggattaccac ctccaccacc tttcgtncca 60

tcaaatcttg tccctgaagt ggggcctgta 90

<210> 16880
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-005-Q1-E1-D12

<400> 16880

ggcaattctt ttcgncctnt nncgngnata cgantcgcgt gttncgantc acgggccnaa 60

ccacgcgtca acccaacgtt tgagattata ataacatgga aggaatcatt gtgagaagag 120

ttataccatc tgataacagt tgtctcttca atgcaatcgg ttatgtcatg gacaaggnna 180

aaaacaaagc tcctgagctc agacaggtga tagcagcagc agttgcaagc aacaaggaga 240

aatataatga agcatttcta gggaagctca atgaagaata ttgtgcttgg attctcaatc 300

canacaagtg gggaggtgcg attgagcttt cgatattagc agattattat ggtcgagaaa 360

ttgcagctta cgacattcan actagtcgat gtgacttgta ttggacaaga cganaancta 420

cgannaaaga gttatgctga tctatgacgg tcttcattac aatctccttg ctctgtctcc 480

natttngnag ggggngg 497

<210> 16881
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-005-Q1-E1-E12

<400> 16881

ggcaattctn cccgnccntn tccgggnana gattcccggg tnnacccacg cgtccaatta 60

aagtcaaagg cgtcacgttt atgtcttctc cttctcgttg cgtgtatcgc cggagcattt 120

gccggagacg tcatcgaact caatcgatct cagagggagt tcgattattt cgctcnatct 180

cntcaatggn ctggaaccta ttgccgtgga actcgccatt gttgctccaa aaacgcttgc 240

tgcagaggct ccgatgctcc aactcaattc acaattcatg ggttatggcc tgactataac 300

gatggttcgt ggccttcatg ttgttatcga tctgacttta aagagaatga gatttcaacn 360

ttgatggntg gtcttgagaa gtactggcta gtctcagttg tggttctcna tcatcatgca 420

atggtgggga aagggtcant ttgggggcca cnagtgggan nannntggga cttgtccttc 480

ccctgtt 487

<210> 16882
<211> 73
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-005-Q1-E1-E9

<400> 16882

ctcttcgggt ccttccaatn tcgtgnttct ccggcgctga gctgctcgag cctgtggtca 60

cgtcaganag gca 73

<210> 16883
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-005-Q1-E1-F11

<400> 16883

gnnnnnnnnn nggnnngnaa ttttacgcng gtctntacgc ngcngngttt cnnggaacga 60

ctcacgcgnc canggacgcg tgggcggcga ttagcaaagg cggtggttcg atagagagag 120

gaagagattg aagcgatttt cactcagttt tcatcagatc gtctcggtga ttctagggtt 180

cattggtctc gttttgttcg gtgactgctt gagtttcacg tttttggttt cgatttctta 240

tgggagattc ctcggtttcg acaagttcat gggctgtcat tgaatctgct aataggtttc 300

agtggtagga aacttttggg tctgtttcta gttgtgaatt gaatagacta caagaagtaa 360

gcagaactga atgtgcattc cttttgtttt tattgacaat tgtgagttaa catgttcagg 420

tgtcgagcgt tatgggtgaa gtcctctggg atnaagcagt tcantggctg ctaaaaattc 480

tccaacattg ggttcaactc ccaa 504

<210> 16884
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-004-Q1-E1-G5

<400> 16884

ttaaggtgac attgtttaca aagaagcatg gtgttgtgcg tgctgaggaa gatgctgaga 60

cagtatacgc ttgtatcgac ttggtatcaa cgataataca gaggaagctg aggaagatca 120

aggagaagga ctcagaccat ggaaggcaca tgaaaggttt caacagattg aaggtaaggg 180

aaccagtgat tgagccggtt gtggaggatg ttgaggacag tactgactcg agcgtaggag 240

aagaagaaga agaggatgat ttgatcaagg agattgtccg taccaagact ttcgagatgc 300

caccattgac tgtcgctgag gcagtcgagc agctggaact agtcagtcac gacttctatg 360

gcttccaaaa tgaagaaact ggtgagataa acatagtgta caagagaaaa gaaggaggtt 420

acggtcctga tatcccaa 438

<210> 16885
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-005-Q1-E1-F12

<400> 16885

ggngaattct acgcaggnct tcttagctgt cnagtnccgg ggnngacnna cgcgtccgnc 60

cacgcgtccn gcagtattca aacaaataaa atatactgct ttagctttgg acacctcctc 120

ttactaatct ctataactat atttaaaaag tagaaaataa tggcacgtct atttgtcgta 180

gttgcccttt tggctttggc cgtgggcacc gtattcgccg ccgatgcacc ttcagctgca 240

cccaccgcct caccaaccaa atccccaacc aaggctcctg ccgctgcacc caaatcctcc 300

gccgccgcac cgaaagcatc atcccctgtt gctgaggaan ccacccctga agacgactac 360

tctgcagcca gccccantga ctccgccgag gnaaccaacg tctcctcccc aaccgctcnt 420

ancccgaagc cgatggtccc tcctccgagg gncctcatct gatggacccg ccgncgncga 480

ntcaccaaaa 490

<210> 16886
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-005-Q1-E1-G12

<400> 16886

acgcgnccaa ntnancntnn aaacacagga aactccanga gctccagaaa gagaagagtg 60

atangttaca gaaggtgctc gagtttgtga gcacggtgca tgatctatgt gccgtccttc 120

gtttagatnt cttaagcact gtcaccgaag ttcatccgag cttagatgag gcanatggtg 180

ttcaaaccaa gagcattagc aatgaaacac ttgcaaggtt ggctaagact gtcttgactc 240

ttaaagaang ataaaatgca cagacttaag aagcttcaag aactanctac tcagctaact 300

gatctatggn atctgatgga tacttctgat gangaaaggg agctttttga ccatgttacc 360

tctaacattt cagcttcagt tcatgaagtg actggctctg gtgcnctcgc acttgatcnt 420

atcgaacang ncngangtgg ganttg 446

<210> 16887
<211> 432

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-D7

<400> 16887

actcncccca gnncggtaan agtcnnnaat tcccgggccg acccacgngt ccgagagaaa 60

gagagatggc gagacactta ttagaagatg taatgagcat ggccaccaca acaacacatt 120

tcgatgctag ttacctgttt catgttgtgt tcctggctgt gatcggttgt tgtatcctct 180

ccgctctgtt attctcttgt gccgacggag tctccgacaa cagagccact tcaggcacct 240

ctaccggtgg cggaggttgt ggcggtgccg gttgcggtgg tggttgtgga ggttgagatt 300

tcatttttct tcgtcaggaa aatataaaca gaacagtccg accattttac tttcgtttat 360

agatgtatag ctatcgtata ttgaagcaat aatttattta gtttcaaaaa aaaaaaaaaa 420

aaaaaagggc gg 432

<210> 16888
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-E1

<400> 16888

agaaactaac agatacagag gtatcacact cctcttcaat gagcccccag aggctagaaa 60

acccagcgaa cgatggagac tgtatgtttt taaggatggt gaaccactga atgagccact 120

ctgccttcac cgccaaagct gctacctctt tggacgtgaa agaaggattg ccgacattcc 180

tacggatcac ccatcttgca gcaagcagca tgctgtcatt cagtaccggg aaatggaaaa 240

ggagaaacca gatggtatga tggggaagca agtgaagcct tacataatgg atcttggtag 300

taccaacaaa acttatatca atgaaagtcc cattgagcca caaagatatt atgagctttt 360

tgagaaagac accataaagt ttggcaacag cagccgagag tacgtactgt tgcacgagaa 420

ttctgccgaa tgaatna 437

<210> 16889
<211> 494

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-E2

<400> 16889

ntgnngcaat tctacttttn cggccggtct tanataacgg gccgagccac gcgtccnatt 60

atctctatgg attgcattcc gccggaaatc ccggagatca tctcacaagc tgttaccctt 120

cagtcagnat accacgcgtg gcgaaagata tcagggttga tgatagagtt gggtttcaaa 180

atcataatga aaatttatct atcacaaatg ctgataaatc tagtgacaga aactctggga 240

agatgatgtc ttacttggga agaacgaagt ctagtgataa tgatagtata agtcaatgta 300

gctctgtgca tcatcatgag agagcttgta gttctcactc tggtgaagat ggaagctttg 360

gagctgcttg gagacaaaat tccctatcac agggcggggc tagtaacaac atctcctttg 420

gttggtttgc cagaaatatc tcatcttggn tgggggacac tgggttacnc ctaggggatt 480

ttcaactngc anca 494

<210> 16890
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-E4

<400> 16890

gntgngnaaa ttctagtntt cgggccggtc accnnataac gggncnagcn cgcgtccnat 60

ctttgttcat ctctctatct tcttctccat cctcttcatc actctcccat cttcttacag 120

ctgcaccgaa aatgacaaga atgccctcct tcaaatcaag aaagcacttg gcaatcctcc 180

ccttctatcc tcctggaacc cccgaaccga ctgttgtacc ggctggaccg gcgtcgaatg 240

cactaaccgt cgcgttaccg gtctcagcgt tacctccggc gaagtctccg gtcagatctc 300

gtaccaagat cggcgacctc gttgacctcc gtacactaga tttcagctac ctgccacacc 360

tcaccggaaa catcccacgc accatcacca aactcaagaa cctcaacact ctctacttga 420

agcacactag tctctccggt ccgattcctg attacatcag cgagctcaag agnctcacgt 480

tcctggncct ttctt 495

<210> 16891
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-E5

<400> 16891

gaacttttg tcgaaaataa ttgaattccg attttgtttt tgtatggttt ttgatgtttc 60

agatggtgga cagaacttgg tttagaaaaa gatgtggaga aggcaagaag ccagccgtta 120

aaatggcata cgtggtccat gaaaattctt caagatccga ccttaaccga acaaaggctt 180

gatcttacca aaccaatatc gcttgtttat gttatagatg acattttcga tgtctatggg 240

gagctagaag aactaaccat cttcacacga gttgttgaga gatgggatca taaggggctt 300

aagacgctac ccaaatacat gagggtttgt tttgaagctc tagatatgat cacaacggag 360

attagcatga agatctacaa atcacatggt tgggaaccca catacgctcc tcnanaancg 420

tg 422

<210> 16892
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-003-Q1-E1-E7

<400> 16892

aggacttgct cgtgtctcct ttactgattc cccttctgct gtgttttgga ctgactacgt 60

tgctacaaga tggtaccgtg cgccagagct ctgtggttcc ttctattcta actacacgcc 120

ggcgattgac atgtggagtg ttgggtgcat atttgcagag atgctaactg gaaaaccttt 180

gtttcctggc aaaaacgttg tgcaccagct agaactcgtg actgatctgc ttggaactcc 240

gtcgccgata actctatcca gggtttgttt tgtttttatt tttcccggaa gctaaactaa 300

ctctcccaat acagaggctt ctctctctct atctccgaga gatagacttg ctttgaacgc 360

aagtgtgttt ttattagctt tgtgtgtcat gaaattgttt aaaatgaatc tgtgt 415

<210> 16893

<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-F11

<400> 16893

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tttgttcnga tctacttctc cggcttatca ccgatttaga tctaagcctg aggtttcctt 120

ttgcatttta gagattccga gaatganaca acggcaacta ttttccgtgt ttttgcttct 180

cttanctttc gtttcgttcc anaagctttg ctactgtgac gatcaaacgg ttctgtanga 240

atcgtncgat gancctttg atggccgctg gatcgtttcg aagaatagtg attacgaagg 300

tgtatggaag catgcanaga gtgaaggaca tgaggattat ggacttctcg tgagtgagaa 360

ggctaggaag tatggaattg tgaaagagct tgacgagcct ctaaacctca atgaaggaac 420

tgttgttctt cagtacgagg ttcgtttcca ngaacgactt gagtgtggtg gtgcttactt 480

gaagtacctc cgtcctcang aagctg 506

<210> 16894
<211> 513
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-F12

<400> 16894

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gcgtccgacc aaaacaaagc tcaatcatgg ctagtcggag agaagtacgg tgccggtgcg 120

gcagacggat gtgggttcaa ccagacgccc gtaccgtcca atgctcaacc tgccacaccg 180

tcacgcagct ctactcgcta gtggacatag ctcgcggtgc aaaccgcata attcatgggt 240

ttcaacagct acttagacaa caccaaccgc aacatcatga acaacaacaa caacaaatga 300

tggctcaacc gccaccacgg ctgcttgagc ctcttccctc gccgtttggg aagaagagag 360

cagttttatg cggcgtgaac tataagggaa aaagttatag cttgaaaggt tgcatcagtg 420

atgctaagtc catgagatct ttattggttc aacaaatggg tttccctatt gactctattc 480

tcatgctcac agaagatgaa gccagcccgc aga 513

<210> 16895
<211> 55
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-F4

<400> 16895

aacttggcat ctgagtngaa catcctggtg cctcttcact tctgtntgtg tactc 55

<210> 16896
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-F6

<400> 16896

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ccctaaaata aattaaacga gttctacgta agaaggagag agagaagaat gggtcgccaa 120

aacattgtcg tcgtggttgc cctcgtcttc atggccatca ttggccttgc cgcagctgcc 180

tcctctccat ctccttcagc gtctccctcc aaagctccag ctgcctccaa aaccgatcat 240

gtcgaggctc cagtcaccga tgaccaaatc ggaaccaccg atgacgatgc agctcctact 300

cctggtgacg gtgacgttgc agtggctggt cctctaggaa gtgactcctc gtacgacaat 360

gcgcctacag gctctgctga ttctgccaaa agcggtgcgg cagctcttgg cgtctctgcg 420

gtcgtcgttg gtgttacatc cattgctggt tctttcntgt tactctaagt tgggcattgt 480

ttant 485

<210> 16897
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-F7

<400> 16897

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tgcggtgtgg caactagctt tagtgactct cgcggtggtt ccgttgattg ctgtgatcgg 120

aggaattcac accactactc tctctaaact atctaataag agtcaagagt ctctttcaca 180

agctggtaat atcgtcgaac agacagtggt acaaatcagg gtagtgatgg ctttcgttgg 240

agaatcaaga gcttcacaag cttattcatc agctttgaag attgctcaga agcttggtta 300

caaaacaggt ttagctaaag gaatgggact tggtgctaca tacttcgttg tcttttgttg 360

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tctcgctatt gc 432

<210> 16898
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-G12

<400> 16898

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cgcgtccgca cagcgccgat tctccttcaa aaacttttcc taagtcgtca ctttttacga 120

tggcagaaac gaagaagatg atcatcctta agagctccga cggtgaatcc ttcgagatcg 180

aggaagccgt cgctgttaag tcccagacga ttaagcacat gattgaggac gactgtgccg 240

ataacggaat tccacttccc aatgtcaccg gagccatcct cgccaaggtt attgagtatt 300

gcaagaagca cgttgaagcc gctgctgaag ctggtggaga caaggatttc tatggttccg 360

ctgagaacga cgagcttaag aattgggaca gcgaattcgt caaagtcgat cagcctactc 420

tcttcgatct catcttggct gcgaactatt tgaacatcgg tggacttctt gaccttacgt 480

gcaaggccgt ggctgatcag atgagaggca a 511

<210> 16899
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-G2

<400> 16899

ctcnctctct ctctctctcc tttgcctaac catttcttca tcatcttctt tctgcagatt 60

tctccgtttt tccttgaata tgccttcaaa aaatctacaa caggcagtcc tcacaaacga 120

attcacaacc aacttcatta cgacctgtaa ggactggctc gacgtaaatg gtcttgctaa 180

aggaaacttg gagaagaaga gagatgataa tgaagaagaa gagcgtctga aaaccgagtc 240

taaacttccg ggccatgaca tccacggttt cgataacgag atcaagtcat tgcaacactt 300

cttgttggat cagaaggtta ggagggagtt caagagtctt gtgattgtcg gagaatatgg 360

tgttgggaag acagcattat gccagaagat cttcaatgat gaagctgtga agagtgttta 420

agcnccaagg gt 432

<210> 16900
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-G3

<400> 16900

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cncgtccaac ctttannnga gatganatgt tgaagggtgt ccttttttgat atcaacaaca 120

aattccaggc tgctgtngat attctccgta aggaaaagat caccccttgat ccagaggacc 180

catctgccgt aaaacagtat gcaaatgtaa tgaagaccat cangcaaacg gcanacatgt 240

tctcagaatc tcancgcatt aaacatgaca ttgatactga gactcaagac attccagatg 300

ctcgtgcata cttgttgaag ttgcaggaaa ttcgcaccag gagggggctt actgatgagc 360

ttggtgctga ggccatgatg ttcgangctt tggagaaagt ccagaaagga cataaaagaa 420

ncctctcctg aagaagttga caagaaangg atgggattct tttggttgca nantttgnna 480

aaaggnaacc aaaaaagcnt ggggat 506

<210> 16901
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-D10

<400> 16901

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gcgtccgtgn gtttttaaan ttagctggag cttgtgcata tggctctatg gctaccggtt 120

tcttcgccgg acacattgct gcggctctgc cttccatcta caaagacggc tccggctgcg 180

gagcttgctt ccaggtcaga tgcaagaacc cgacgctttg cagcagcaaa ggaaccacgg 240

tgattgtcac agacttgaac aagaccaacc aaaccgatct tgtccttagc agcagagcct 300

ttagggccat ggctaagcct gttgttggcg ccgacagaga tcttctcaaa caaggcattg 360

tcgatattga atacaggaga gttccttgcg attacggtaa caagaagatg aacgtgagag 420

ttgaagaatc aagcaaaaat ccaaactact tggcgataaa gctcttgtac caaggaggcc 480

aaactgaagt ggtanccatt tacattgctc aggt 514

<210> 16902
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-A8

<400> 16902

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cgttgtccag ggtttgttgt tgatttccta tgcccatggt caagagatag tgcgtttaag 120

agaaggcatc gaggatttac gctgattaga atgaactgtg ttggtggatt ttgataggga 180

tcagttccgg gttttgagtt ttggcctttg gttttgtaga tttcgatgat gcaaggattg 240

gatttgctat atactttgtt tagtgtgtgg tctgttgtgc ggatagcttt tggatgaata 300

agctttgtgt gcttcttttt ttagtttgat ttggaaagtc acagacttga caaggatgga 360

gaaagaaggt gtgtgtgata ccattaattt aagtgatcag atgtaccctg atgagccttt 420

ctgttccgag atgaaaactg aaaccattgc ttcatctcag aaatttgaag gaagcgaagg 480

gaataaagtg gt 492

<210> 16903

<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-A9

<400> 16903

ttgcctgcnc gtaccggtcc anaatcccgg gnccacccac gcgtccgcag acgcgtgggc 60

attttcgctt caattcaata aaaggcgaaa aatctctcac tgcactttat ctcgagagct 120

cagatctccg atctagagcc tttcgcttct cctcttctgt tcatataaca actgaataat 180

gtcgatctcc gcccaaaatc cggatatttc cggcgataga caatccggcc aagatgttcg 240

tactcagaac gtgatggctt gtcaagctgt ttctaatatt gttaagacct cacttggtcc 300

cgtcggcctc gacaagatgt tggtggatga tattggtgat gtgactatta caaatgatgg 360

tgctactatt cttaggatgt tggaggtcga acaccctgct gctaangttc ttgtcgagtt 420

agctgaactt caaggataga gaaatcngtg atgggactac atctgttggt aatgtaacct 480

gctganttgt tgaagaaggn aaatga 506

<210> 16904
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-B3

<400> 16904

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gtccgaaaaa aaacttcaat ttttggggac aaagttttta tcttttcgtt gtttggaatt 120

tgggggagga agaaggaaag gtgtaaggat agggtcgtgc gtgtcaacga gaggtgctgc 180

tggacgtgaa gcctcctcct ccgcatcggc gaggaggctt ccgtcgcagc accacctcag 240

cggtagcctt agctcttctg gctacggcgg agaaccgtcg gatcaatctg atatcggcgg 300

tgcgaagatg aaagggcttt tcaagtctaa gccacgcact cctgctgacc ttgttcgaca 360

aacccgcgat ctccttctct tctccgatcg atctacctct ttgcctgacc tccgagattc 420

caaacgcgac gaaaagatgg cggaattaag ccggnatatc cgtgacatga antcattctc 480

tacgggaaca ncgaancaaa ncctgg 506

<210> 16905
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-B4

<400> 16905

gntnnnggna attcnacttg ntcgggccgg gtctggaatt aacgggtcna cncacgcgtc 60

cgatagtttg ggagagagaa gagaagaaga agacaccctt taagcaaaac agaggatttt 120

cattctctgt tctgtttgaa ttattactaa tctatcatct tgttgttctc ttcgtcgaca 180

atgtcgggaa acaaagaaga agaggatcct cgtatccatg gaatcaaaac taagatccgt 240

gtcgttccag attttcccaa gaaaggaata atgtttcaag acataacaac agtgttgttg 300

gatccgaaag ccttcaaaga cacaattgat ctgtttgtgg agaggtacag agacaagaac 360

atctcagtgg ttgcaggaat agaggctcgt ggtttcctat tcggtccacc gatcgcgcta 420

gccattggag caaaatttgt tcctctgcgc aaacccaaga aactacctgg tgaaacaata 480

tttgaggaat acgagttggg 500

<210> 16906
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-B8

<400> 16906

gggaaaagtt ggaggaaaga cttgtgcagt ataaaaacaa gaacgacatg cttcttcgtg 60

aaatggtgag agatcttcaa cactgggatc attttttag tactacagtt tctcctttgt 120

gtgatcatat gaaagttcct tttatctgtt caacttggtt tgtttcttaa ttatctcccc 180

agtatgtaga ttaggaccta ctaccggtat ttagcattct agactaggac ttggtcttag 240

ctaacgtgaa agaatgtcat gttgtcagga catttcagat cgctatagat gttacattac 300

atttcattat gcctgaagat gctgtgtagt tctgacattt atagaaattt gacagtctag 360

cacagaagcc cagatgagac aattgctaga tgaaagatct accttcactc aagaaagaag 420

cgaatcnaaa aaag 434

<210> 16907
<211> 528
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-B9

<400> 16907

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cacgcgtccg cacaccccaa aattacaaaa aaaaaaaaaa aaaaagattt tccatttccc 120

tcttctcgat ccaccaccac caccaacctc aaaagctttc atctttaccg gtcatggacg 180

gtggttcagg tcaaccggcg gctgatacag agatgacaga agctcctgga ggttttcccg 240

cggcggctcc atcgcctcag atgcctggga ttgagaatat tccggcgact cttagccatg 300

gtggtaggtt tattcagtat aacatatttg gaaacatctt cgaggtcacc gctaagtata 360

agcctccgat catgcctatt ggcaagggtg cttatggcat cgtttgttcg gctatgaatt 420

ctgaaactaa cgagagcgtt gcgattaaga aaattgctaa cgcttttgac aataaagatt 480

gatgctaaaa agacctcccg tgagattaag ctgcttcgtc acatggat 528

<210> 16908
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-C10

<400> 16908

agagaaaact gcggcaatgg atgatgatca caactatgag tccaatccac atccattgtt 60

ccntctcggt aatgccaatc tctcctctcc tgcaaatcnt tggtttacat aagaatnaaa 120

aaagaaagaa gaagtggcac actcttacac actttgcctt gggcntttta tagtatgttt 180

ttttttggct catctaaatt agtttggatt gtggttggtg cttttaatcn tttttccttt 240

aagtggggaa gctttgattc attgatttca cacgaacgac aagacatata gattggnttt 300

gcctgctccg ggtatatatg tctaaagnaa cacnggtcca attttttta atttccaata 360

tnccataata ntattaatta acaaaaaacn nngng 395

<210> 16909
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-C2

<400> 16909

tggntnnngc aattcnagct nntcgggccg gtctccggtt nangggtcca cgcacgcgtc 60

cgaagagacn ttgacttctt ctgatgaact ttcttctgca cttcttctca ttaagcctcc 120

ttgttaaaat aatttgagat ggcgatagga aacccagaag tagcaactat ggggaaggag 180

aacactgaag ccgagtcctc taatggaaac gagtctcagt taagttctga cttaacgaag 240

agtcttgatc tggctgaagt gaaggaagac gaaaaggata ataaccaaga agaagaagat 300

ggactgaaag ctgaggcttc aacgaagaag aagaagaaga aaagtaanag caagaagaag 360

aagagttctc ttcaacagac tgatcctcct tcaattcctg ttcttgagct cttcccttct 420

ggagattttc ctcaaggtga aatccaacag tacaatgatg ataatttgtg gngaacaacn 480

tctgaagnga aannnganan gggg 504

<210> 16910
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-C4

<400> 16910

caattcgttt aaaaatggag agtcaaaagc aagaagataa tgaatacatt ttccgcagtt 60

tgtanccatc tgtgcncatt cctgacaaac ttacactgnc tgaatttgtg ctccaaggag 120

ttgaagaata cacagagaat gtagcgtttg tanaagcggt gaccggaaaa gctgtgacgt 180

acggtgatgt agtgagggac acaaagaggc tagccaaagc gttgacatct ctcggactaa 240

ggaaaggtca agtgatggnt gtggtcctac caancgtcnc cgagtatggg attattgccc 300

ttggtattat gtctgccggt ggagtcttct ccggngcaaa tccgacggnt cttgtttccg 360

aagatnacaa aacaanttta agcttccggt gctagangaa tcatcactga ngctaccaaa 420

gtangaanna gngga 435

<210> 16911
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-C5

<400> 16911

gcccacgcgt ccgcccagag cttgattcta agaaggggaa gaaggagcag aagctgaaac 60

tatctgattc ggatgaagaa gagtcggaga agaagaagag taagaagaag gataagaagc 120

gtaaggcttc cgaggaggag gatgaagtga agagcgattc aagctcggag aagaagaaga 180

gcagcaagaa ggttaagttg ggcgttgagg atgttgaagt tgataaccct aatgctgttt 240

ctaagtttcg gatttctgcg cctttgaggg agaagcttaa ggcgaatggt attgaagctc 300

ttttcccgat tcaggcttcc acgtttgata tggttctcga tggtgctgat ttagttggac 360

gggctcgtac tgggtcangg taaaacattg gcttttgtgt tgcctataat ggaatctttg 420

gttaatggac ctgccaa 437

<210> 16912
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-C7

<400> 16912

tactcncccc gntcggtann aagtcaccga atncccgggc cgacccacgn gtccggagat 60

acaaaaccaa aactttcaag caaagcaatt caatttcaat caaaaaccaa atcgaagatc 120

tttgaaagtt tccttttttt ccgaaatctg agcttgggta ttgttggata agcttctcgg 180

agattgagat tgaggatttt gataggtgag gagattgaaa gatttggatt tttgggcggc 240

aaaaatggtg atgcagacgg aagctagggt tggtgtgagc tcaggacatg gcgtagcttc 300

gtcttctcat cgtttaacgc aggaccagag atcacatatc gaatcggcgt cgcagctctt 360

agccggagga ctcgctggtg cttttagcaa gacttgtact gctcctctat ctcgtctcac 420

cattctcttc cangtgcaan gtatgcacac aaatgctgca gctttaagaa agccaagcat 480

attacacg 488

<210> 16913
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-C8

<400> 16913

ggggttatct caggaatgga gaagatcaga gtcaaagata caccagaagg agttgtgttt 60

gggaatttag actctgtttt ctcaaagatg cttcatcaaa tgggtcttgc tttgcctcgt 120

gccactgctg ttttcatcaa ttcttttgaa gatttggatc ctacattgac gaataacctc 180

agatcgagat ttaaacgata tctgaacatc ggtcctctcg ggttattatc ttctacattg 240

caacaactag tgcaagatcc tcacggttgt ttggcttgga tggagaagag atcttctggt 300

tctgtggcgt acattagctt tggtacggtc atgacaccgc ctcctggaga gcttgcggcg 360

atagcagaag ggttggaatc nantaaagtg ccctttgttt ggtcccntaa ngagaanacc 420

ttggtcaatt 430

<210> 16914
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-C9

<400> 16914

aaatatgtan tgtagagagt ccttgtcgag tctccagact ttgaacgtag caaagagtct 60

cagctctttg ttccctaaac aatcagctct catcaacccg atctccgctg gacgtcgaaa 120

caacctgcct cgtccaaacc tcagaagacg atgtaaggtc accgcttcac gggctaatat 180

tgaacaagaa ggtaacacag tgaaagaacc cattcagaat attaaagtaa agggatacat 240

aacggcccaa gaagagtttc tggagggcat aacttggtcg agaggtctcg atgacattgc 300

tgatatccgc ggcagatcat tgctcgtcga gcttattagc gccaagactg accagcggat 360

tacggtagaa gactacgcac aacgtgtatg ggccgaagcc cctgatgaga agtacgantg 420

cgagtttgag atgcctgaag actttggncc antgg 455

<210> 16915
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-A5

<400> 16915

ggntggngca attcnagctg nncgngcctg cntagacnnn aagcccgggn cgacccacnn 60

gtccnaccac gcgtccggtt ctagtctcgt ctccatcttc attcttcggt tcaccgttga 120

ttaaaccgtc gtcatctctc cgtcacagtg gagtaggagg aggaggaacc gctcaatttc 180

ttccataccg gagtaataat aacaaactct tcactacttc aaccaccgta cgattcagct 240

taaacgagat tcctcctttc catggcttgg attcatctgt agacatcgga gcgattttca 300

ccagagctga atctcttctc tatacaatag ctgacgccgc cgttgttggt gctgattccg 360

tcgtaactac tgattcatcc gccgtgcaga agagtggtgg ttggtttggt tttatctccg 420

atgctatgga attggttctt aagattttga aggatggatt atcagcggtt catgtacctt 480

aagcttatgg gatttgcga 499

<210> 16916
<211> 69
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-G12

<400> 16916

ntcaagtcct tactacttgc catctaccaa tttcatagat acttccaaag cacttcagct 60

caannctag 69

<210> 16917

<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-G4

<400> 16917

gggnngnact tctactcnnc ggggtcggtc acngattcca cgggtcnacg gcncgcgtcc 60

gntcccnaag aaggttgttg ttcacaagga tggtccaaga ggagtccatt tcaggcgtgc 120

tggtccacgt caaaaggttt actttgagtc tgacgaagtg catgcttgta tagttanatg 180

tggaggtctc tgtcccggtc tcaataccgt gattagagaa gttgtgagca gcttatcata 240

catgtatgga gtaaagagaa ttcttggaat cgatggtgga tacagaggat tttacgccaa 300

gaatactatc cccttaaact ctaaagtcgt gaatgatatc cataaacgcg gaggaacaat 360

cattgggacc tcaanaggtg gacatgatac caacaagata gttgatagca ttcaaagatc 420

gangaatcaa tcangnttac attattggan ggagatggna ccagccaagt gcntcagtta 480

tatttgaggg aaattagaa 499

<210> 16918
<211> 91
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-G5

<400> 16918

cctatcantt gcctatcaaa tgcccttgac tatcgattat aaccttcngt ctccgggaga 60

aangaaaatt cctcggaatt ttaaacctag a 91

<210> 16919
<211> 83
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-G6

<400> 16919

cagatnatgt gtccatctac ttgtccaaag ttcaagcctt tcccttagct tgaagtctcg 60

atcttcgtca annaaaaagg tta 83

<210> 16920
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-002-Q1-E1-G7

<400> 16920

gccatttgaa aggattgaag tgacgaagga tcaggcactc gagatgtttt ctgagaataa 60

ttttaaggtt gaactcatca atggtttgcc tgcagacatg accattactg tctacagatg 120

tggccctttg gtggatttgt gtcgtggacc gcacatacca aatacttcct ttgtgaaagc 180

gttcaagtgt ttgagggcct catcagctta ctggaagggt gacaaagacc gtgagagctt 240

gcagagagtt tatgggatat cttatcctga tcagaagcag ctgaagaaat atctccaatt 300

tctagaagaa gccaaaaagt atgaccacag actattgggc caaaagcagg aactcttctt 360

tagtcatcaa ctcagccctg ggagttattt cttccttcca ctcggcactc gtgtataaa 419

<210> 16921
<211> 53
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-H1

<400> 16921

tgaatttgtc acatccttaa gcattnattg gcatgatgat ngccgtacct tgt 53

<210> 16922
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-H10

<400> 16922

nnnnnnnaan gttagttgcc ggnncggtac aancagangg gnccagncca cncacgcgtc 60

cgantttctg ggttccttct gcttcgtcca agttagtcgc cggagacgac aaagagcacc 120

tgaattggtg cgagaaaaga ttcctacttc tgagaccatc ttcacaaacg tgtagcaaag 180

acgaagcctt tgagttttct ctttctgtta cttagaaaat agctgatttt gaacctggag 240

ctgagttccg tgtgtgatta cttaattcgg ttatggctgc accaaacgtt cgtagtagta 300

gcagcttctc tcgcaacata tcagttgtgt catcgcctca aattcctggt ctcaaaagtg 360

gtcctaatgg gcacagcttt tatatcgtca gggattcgtg atcttgacag gatactaagg 420

tggtgggtat cctttgggaa gcttagtaat ggnaatggga aattctgaaa gcaccgcatc 480

atatggatct ggt 493

<210> 16923
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-H11

<400> 16923

ctctctctca cacacaactg tactctctct ggagatttga agaaaaccct aattcccaat 60

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tttcaanctt cactatgcaa tactgagaag aaattccaca aggaaaaaaa atgtcaagct 180

ccgacccgaa acccggacct aaaccgggtc catggccacc aactccagaa tccgccgcaa 240

tgccaccgtc ttcctgggct aaaaaaaccg gatttcgtcc caaattctcc ggtgaaacta 300

ccgccactga ttcctcttcc ggtcaagctc tcaataccgg gttaagaagc taaacaanaa 360

gaaacccaac cgggattgtg aagctggtca aaccaagaat ccggtcctcn tcctcctgtc 420

tccg 424

<210> 16924
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-H2

<400> 16924

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gaacgatatc gtcgcctctt ctcgtctctc cgctctcctc gccgcgagtc tgtttcgccg 120

ccgtctatct cccaattccg tgaccgttgt tgtttagtga atcgatgatt tacactgcta 180

tcgacaattt ttacctatcc gacgagcagc tgaaggcttc accttcgagg aaagatggga 240

tagatgaaac aactgaaatc tctcttagaa tctatggatg tgatctcatc caagagggtg 300

gaatattgct caaactacca caggcagtta tggctactgg gcaagttctg tttcaacgat 360

tctattgcaa agaagtcctt ggctaaattt gatgtcaaga taattgctgc caactgtgta 420

tgggtttgca tcaaaactgg aagaaaaccc taaaaaaagc tagacaggtc aatcaatcgt 480

aatccaaaag gatggaattg tcccagg 507

<210> 16925
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-H3

<400> 16925

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tgaattttca agctcagtgg aattgcaagg gacttgccca tggaaanata tggaagagct 120

caaactcagt aacaacaaac tagctggtca gtttcctcta tgtttaacta gcttgactgg 180

acttcgagtt cttgatcttt catcaaatca attgactggg aacgtaccct ctgctctcgc 240

taaccttgaa tcccttgagt acctatcact gtttggtaac aacttcgaag gcttcttctc 300

acttggttta ctcgccaacc tctcaaaact taaggtgctc aaacttgatt cacaatccaa 360

ctcacttgaa nttananttt gaaacgtcct gggaagccaa aattccaant tggtaattaa 420

ttgcgcnacn atttt 435

<210> 16926
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-H4

<400> 16926

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gngtacnant ccgggcancg cttgacgaat cattcatcaa cacacgcana gagctctgaa 120

tctcgaggaa gaagatggtg aggatcattc ctatggctgc ttcctccatt cgaccttccc 180

tcgcctgctt ctctgattct cctcgcttcc ccatctccct cctctccaga aatctctctc 240

gcactctcca tgttcctcaa tcacagcttt ttggtttaac ttctcataag cttttgagaa 300

gaagtgtaaa ctgtttagga gttgctgaat ctggtaaagc aagctcaagc tactacacaa 360

gatgatcttc tcaactgggt taaagaatga taagaagaag aatgcntcat gttgtttatc 420

gtgttggcga aattgaacgg gacgataaag tttatactga atgtcctggg atgaagcttc 480

acnttagcgt gatataccaa aa 502

<210> 16927
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-H6

<400> 16927

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tggtccatca gttgcatccc ttgagatatt aggaaatgga gttattgttc atgtcaatgg 180

caagtgttac cagaaaagta cttgtgttca tctacggggt ggtgacgagg tgatcttcag 240

ccttaatggg aaacatgctt atatatttca acctgttaaa gatgaaaatt tagcagctcc 300

tgacagagct tcttcgttga gtatatgttg aagctcgggg tgcccctctg aaaggggttc 360

atgtcgagac aagggcaagg anatgttgat ggggnctcaa atgttgatgg gggcctccta 420

tantgggatc ctctatc 437

<210> 16928
<211> 486
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-H8

<400> 16928

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ctgccaccaa accaaagaca taatttcttc ggtgacttcc atggctccgc ctgtctctga 120

tgattcccta cagcctcgag atgtttgtgt tgtgggagtg gcgcgaacgc ctatagggga 180

cttccttggc tccctctcgt ctttgactgc tacaagactt gggtccatag ccatccaagc 240

cgcacttaag agagcacatg ttgatccggc ccttgtggaa gaggtcttct ttggcaatgt 300

cttaactgcc aatcttgggc aagcaccacc aagacaggct gcacttggtg ctgggattcc 360

caatncngtg atctggcacc actatcaaca aantttgtgc tgcaggaatg aaatctgtaa 420

tgcaancgtc caaaantanc aactcggctt gaatganatt gttgttccng gtgggatgga 480

aacatt 486

<210> 16929
<211> 78
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-H9

<400> 16929

atatacgaga tggttanaga caacgaagac angatctgca atgctctgtt tcaacgattt 60

gggcaaacac agtactga 78

<210> 16930
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-A1

<400> 16930

aagattggaa gaaattttaa tggtgtacct gaaactgctg atatgttctt ccttagaaga 60

cttagccctg ttgagtccgg ttgttgcaag ccaccaacag attgcggttt ttcatatgtg 120

aatgagaccg gatgggacac gagaggaggg atgataggac cgaaccagga ctgtatggtg 180

tggagcaacg accagagcat gctctgttat cagtgtagtt cttgtaaagc tggtgttctt 240

gggagtttga agaagagttg gagaaaagta tcggtgatca acattgtggt acttatcatt 300

ctagttatct tttacgttat cgcttatgca gcttatagga atgtcaagag gatcgataac 360

gatgaaccgg ctggtgaanc taggatgaca aaatcacatc ctaatcattt cc 412

<210> 16931
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-003-Q1-E1-A12

<400> 16931

ggggaagatg aggttcttgt taggagaatc aatgggagga gcagtgcttt tgttgttaca 60

cagaaagaag cctcagtttt gggatggggc tgtcttggtt gctccaatgt gtaagattgc 120

tgaagaaatg aaaccaagcc ctttggtaat ttcgatattg gccaaactta gtggagtgat 180

accttcgtgg aaaatcatcc ctggccaaga tatcattgag actgctttta agcagccaga 240

aatcaggaaa caggttaggg aaaatcccta ctgctacaag ggacgtccac gtttgaagac 300

tgcttatgag cttttgaggg ttagcaccga tctcgagaag aggcttaatg aggtttcatt 360

accgttcata gttttgcacg gtgaagacga taaagtcaca agataaagcg gtgagtcgac 420

aactgtatga agttgc 436

<210> 16932
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-003-Q1-E1-A4

<400> 16932

gtggntggng naattcnagt nntcggccgg tctgcaataa cgggccaccc acgcgtccna 60

ntatttttc tgatctgaga aaaaaaatgg cgaatggagc taatagagtg gatctcgacg 120

ggaaaccgat acaaccgttg acaatatgca tgatcggcgc cggaggtttc atcggttcac 180

atctctgtga aaagctcttg accgagacgc cacataaggt gcttgcgctc gatgtttaca 240

acgataagat caaacacttg cttgagcctg ataccgttga atggagtggt cggatccagt 300

ttcatcgtat caatattaag catgattcga gacttgaagg tcttgttaag atggcggatc 360

tgattataaa tcttgctgcg atctgtactc agctgatta caatacacgt cctcttgata 420

ctatctacag caatttcatt gatgcgcttc cagttgtgaa atactgttct gagaacaaca 480

agcgtctcat tcaattt 497

<210> 16933
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-002-Q1-E1-G1

<400> 16933

caagttcttt ttttttttta accttgccat caatacaacc atggcaagga tttctctgtt 60

attctcttta gccttagttc tagccatcgg gtccgtcttg gctcacccac ctacccacaa 120

gaaattacaa aagaccttgt gtccatctac tttgtccaaa gttcaagctt tcccttacct 180

tgaagtctct agcttcgtcg agaagaaggt tcagttcgca ccaaaaacca ttgcgttcaa 240

gtctttgttc tccatctgca agagctacat cgactttctt gggggcgtta agttttctgc 300

ctccagagat gtgtttcacg tcgttcatgt caaattcact ttgatgacca aggcgatggt 360

tattgcacaa gcacacattg ggagttgaag gaganctcgc tgttaagttg ggcaaaagct 420

acaccgtgat g 431

<210> 16934
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-D3

<400> 16934

agcagccacc tccagcttcc aacggtgctg caacagggcc agggcagatt ccttccgacc 60

aacaagctta cctccagcag cagcagtcgt ggatgatgca gcaccagcag caacaacaag 120

gtcagccgcc tgcaggatgg aatcagcagt ctgcaccgtc ttctggtcaa ccacagcagc 180

agcagtatgg tggtggtgga tctcagaatc caggatcagc tggtgagatc cggtccctgt 240

ggatcggtga cttgcagcca tggatggatg agaactatct caaattgggg aacgtctttg 300

gtcttactgg cgaggctaca gcaactaaag ttattcgcaa taaacagaac ggntattcag 360

aangttatgg cttaatgaat ttgtgaacca tgctacagct ganaaggaat ttacagactt 420

acaangggtg ctcccgatgc cgaacaatna acaaggcctt ca 462

<210> 16935
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-D4

<400> 16935

agctgcttgt gttgtatgcc tctcagaccg gaaacgctct tgatgcggcg gagcgtattg 60

gccgcgaagc agaacgccgt ggactgccag cttctgtcgt ctccaccgac gaattcgaca 120

cgagttcctt acctcatcat gaggaggctg ttgtttttgt tgtctccact acagggcaag 180

gagactctcc tgattccttt aaggcatttt ggaggtttct tcttcaaaga aatctgggaa 240

actattggtt gcaacaagtt cgctatgcag tgtttggaac ccttnaaggt gattctggtt 300

accagaagta caactttgta gcaaagaagc tagacaaaag attatcaaga tcttggggcc 360

acaaccatca ttgaaaaagg tctaaggaga tgatcaacac ccatcaaggg tatgaaagga 420

actcttggat ccgtggatgc cttccttggt ggaaggacat tata 464

<210> 16936
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-D7

<400> 16936

ggcaattctc aactggctca gctacattcc tgcttacgtg ggtggtcctc ttcctgttct 60

tgccccttta gatccaccgg agagaattgt ggagtatgtc ccagagaact cttgcgaccc 120

acgagcggct atagctgggg tcaaagacaa taccggtaaa tggcttggag gtatctttga 180

taaaaatagt ttcattgaga ctcttgaagg ctgggcaang acggtagtga ctggtagagc 240

caagctcggg ggaatacccg ttggagttgt tgcccnaaag gccttgngac acagactgtc 300

atgcagatca tcccaagccc gatcctggac agcttgactc caagaaaagn antggctccg 360

caagcagggg aangtctggg ttccntgatt tcancgggcc aangaactgg ntncaanncc 420

gcttaatggg attgggnaac ccgcggaaaa ancttccaa ttggnttaac cgcangcgg 479

<210> 16937
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-E1

<400> 16937

ggtcaatcca agatgggtca cagagtattg gtttatgttg gagctctgtt tctgatttta 60

ttcacgattt ttccatcttc tagtgcttta atttcgtctc ctgatgctaa tcctccttac 120

cctaaagcta tctccgattt gaaggaatca attgtgaagg gacttggatt ccaatccgag 180

gaagtcaagg tttctgggtt tgatataagg gatgcattgg taggacattc tgtttcatac 240

gaatttgatt tagaaatcga caataaagtt tcccttcccc catttaagcc tcctgaaaga 300

tgtgaaccga tgggaatacg ttgatctccn aattttcaan gtagaacaac cccctgagaa 360

tggtttgggt tccaaangag gaacaagaag aacatccaat tgatgaagtg ttaaccggtn 420

ttaaccnccn ntttcaaact ttcggggccc aaaggnaa 458

<210> 16938
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-E11

<400> 16938

ggttctcatc tttctctcta agagattttg taggtgacaa tcaaaagttt gacaaaatgg 60

tgaagtttac agctgatgag cttcgaagga ttatggacta caaacacaac atcngtaata 120

tgtctgttat tgctcatgtc gaccacggga aatccactct tactgattct ttggttgctg 180

ctgctggtat cattgcccaa gaggttgctg gtgatgttcg tatgactgat accanagctg 240

atgaggctga acgtggtatc actatcaagt ccactggtat ttctctctac tacgagatga 300

ctgatgaatc cttgaagagt ttcactggng ccanagacgg naacgagtac ctcatcaatc 360

ttattgattc acctgggcac gttgacnttt cctctgaggt tactgctgct ctccgtanta 420

ctgatngg 428

<210> 16939
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-E12

<400> 16939

nnnnnnggac tgntacgcct gccntttacc ggtgccaaaa ttcccgggaa ngacccacgc 60

gtccggcaaa agtcatttaa ctttcctaaa acaatggctt taaaacatat gcaaatcttt 120

ctcttcgtcg ctatattttc atcattctgt ttctccatca ctctttctcg tccactcgac 180

aatgaactca tcatgcaaaa gaggcacatc gagtggatga ctaaacacgg ccgtgtctac 240

gcggatgtga angaggaaaa caatcgctac gttgtgttca aaaacaacgt cgaacgcatt 300

gaacatttaa atagcattcc tgccggaaga actttcaaac ttgcggtaaa tcaagtttgc 360

tgatttaacc aatgacgaat ttcgttccat gtacactggt ttcaaaggtg tctcggcatt 420

atctagccaa agccaaacta aaatgtcgcc gtttaagtac caaaacgttt cttcnggggc 480

cttgccggtt tccggttggc tnggagg 507

<210> 16940
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-E3

<400> 16940

aaattcgcat tttctctctc gccggagaga tgcaacggtt tcttctacct ttactcttcc 60

ttgcactatc gccgccggcg atttgtcatt actcttcctc aacctcttca ccttcttcgt 120

cctccgtttc ttccgacgcc tcagaatggc gtccagctcg agccacctac tacgccgcta 180

cgaatcctcg agacgcggtg ggcggtgcgt gtggatacgg agatctcgtc aaatctgggt 240

acggtatggc tactgttggt ctaagcgaga ctctgttttt gggaaaagcc gtgggtcaag 300

attcngtggt gctggtttcg agctcanang tgttgatgat cccngttggg gggtanccct 360

gaaacttcaa tnaaaaccca cggctaccaa attttngggn gccccnnaat ttaggggttt 420

ggattcccaa agggggggggg gggacaatgg gnaanccnac cttaagaaan nnttnggggg 479

<210> 16941
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-E6

<400> 16941

tttcttttac gcgtatccct tttcaatata catatatata tacagagcta ganaagttgc 60

aaaatcctgt gttaatcata ttacaatctg cattgtgaaa ttttgcgaat tcatctaggg 120

tttgatctga ctccaaattt gggattttta gggtttaaat ctacagatat agagaganag 180

agaatgggag gttgtttatc tggagatgtg aaaggaggca aacaanccan tggaggggtc 240

cancatagac ccacttcctc aaccatcccg gncccccaaca atgcggctca caacgacgcc 300

gtcgattttt tcttcacatc ncntggtcaa tatcntctct tttctcaaat cgagttaact 360

ttgtcgngct tcnganntgt tgcnctgtca cagaancatc caaggattag nngnggncnc 420

tgtcnancta tt 432

<210> 16942
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-E8

<400> 16942

gtcaaatttt attacaaaga gggagaccag aatattcctc cttttgtctt caagatttta 60

aagccatggc cggtggagct cttaccgatg aaggaggcct aaagagagct catctctatg 120

aacatcggat cacttcttac ttcatcttcg cttgcatcgt cggatccatg ggaggctctc 180

ttttcggcta tgatcttgga gtctctggtg gtgttacatc aatggacgat ttcttgaaag 240

agttcttccc agggatctac aaaaggaaaa aanagcaaat gcatctaaac gaaacagatt 300

actgcaaata cgacaatcaa atcctcacac tcttcacttc ttctctctac ttcgccggtt 360

taatctcaac tttcggagct tcttacgtca ncagaatcta cggtaggngg ggaacatcct 420

cgttggctct gtcagcttcg tc 442

<210> 16943
<211> 146
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-E9

<400> 16943

cggatccaaa aaacgcncgt tatataaacg cttaanttct cnaggattcn tcttctgctt 60

ccgccattgc tcgaaaatcg cgtcttctga caatgtgctg aaactgagtc atcgtccgag 120

ttancaaagt gaaacttcga antttc 146

<210> 16944
<211> 329
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-F1

<400> 16944

ngntcctgnn cgtactgccg gactccgggt cgaacacgcg tccggttctg gttacctgac 60

actggtggac aggttgttta cattcttgat caagttcgtg ctctggagat agagatgctt 120

caacgtatta agcaacaagg actcaacatt aaaccaagga ttctcattct aactcgactt 180

ctacctgatg cggtaggaac tacatgcgng tgaaacgtct cgagaagagt ttatgattct 240

gagtactgtg atatncttcc gggtgccctt cacaacaana gaaagggtat tgttcncaan 300

tggattncca gggtnccaat tcnggccaa 329

<210> 16945
<211> 56
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-F10

<400> 16945

gcnttgagag gaactggttg aggagagatt ttaacgtggt angatttggg ctggat 56

<210> 16946
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-F3

<400> 16946

caagattgat atgcaattgn aactttcatc tgcagcaaac caatcttccg taggggcttc 60

tgagcctagt caaccaacga gaggtataca tgttaatcca aaatatcttc gcaggctgga 120

gccctcagcc gccgaaaata atttgagagg aattaattcn agtgcaagag tttatggcca 180

aaattcactc ggtgggtata atgatttcga agatcagtta gagancccat cttcactgtc 240

tagttaaanc caccaagatg gttttaccaa ngaggtctaa tgatggntct aatccttcta 300

atcaagcttt taactatgga atgggtcgag ctactagcag agatgatgna acatatggga 360

atgggcgaan gaaaaggnaa acntaggcca aggaaatgat cacgaagaga cctanangcg 420

ttganagat 429

<210> 16947
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-F5

<400> 16947

atgacattat ggcagaagtt tacaaaaatg gacctgttga ggttgccttc actgtttacg 60

aggactttgc gcattacaaa tctggagtgt acaagcacat aacaggtact aacattggag 120

gtcatgctgt taaacttatt ggctggggaa cttctgatga cggtgaagat tattggttgc 180

ttgcaaatca atggaaccga agctggggtg atgatgggta cttcaagatc aggagaggaa 240

caaacgaatg tggcattgaa catggtgggt tttntgtanc tgggnttacc ttcagacang 300

gaacgtagtt taaaggtatt actacttcaa atgatctcct gtttccccaa ttttaaacan 360

ggaatatgtt gtcccccaac tcctggttat acataaattt cccaactggt ggttgttggn 420

ttacccaggn gaaatanaaa cgacctttca ancccaanag agggaatt 468

<210> 16948
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-F8

<400> 16948

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agagagtgtt agacgaagta cgaccatctc taatggccga cggaggaaac gtggcgttgc 120

acgaaatcga cggacttgtg gtggttttaa agctacaagg agcttgtggt tcgtgtccta 180

gctcatcaat gacgttgaag atgggaatcg agagtcgtct tcgagacaag attccagaga 240

tcatgtccgt tgagcagttt cttgaatccg aagnnaaacc aggaggttta gagctgaacg 300

atgagaacat tgagaaggtt ctctctgagt taaggccgta cctatccggt actggangtg 360

gggggcttga gttagttgag attgatgggt tacgtgngca aggttcgact cacnggggna 420

actgctggan tcatgactgt tccgtgtcg 449

<210> 16949
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-D2

<400> 16949

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tctcaatctc cagtattctc ggttcaataa aagcttcaaa aaaagaagaa aaaatcgaaa 120

attcacgaaa atatatatta atttcaattt tccatatttg aattcttcca gatcttatgg 180

ttccttgttc ttcgttctcg tggcggtttt tgaattgttg atgcgacgat ctcatgcccg 240

ttctagggtg aagaatagta gtagtagtaa atccgattaa attgggggga tccgattaan 300

ttccagatcc gttctgggaa ccgagcaacg tcttcttcan cgacctatac gctaacaaaa 360

ccgaaattcg aaacacgcga aaatcgaatc tcttggttaa cagttggttc tanatctgta 420

gtgttggggg ttcccttctt tgctaatcaa atttgttc 458

<210> 16950
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-A8

<400> 16950

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ttccctgaag gtattctcgg tattgatatc gttgagaaat tcagaaaaca atcggagaga 120

tttggaacta cgatcttcac ggaaactgtt aacaaagttg atttctcatc gaaaccgttt 180

aagctattca ctgattcgag aactgttctc gctgattctg taatcatttc tactggagct 240

gttgctaaac gtccttttta aancttcact ggatctggtg aangtaatgg tggttttgg 300

aatcgtggta tctccgcttg tgctgtttgc gacggagctg ctccgatttt tangaataag 360

cctcttgtgg ttattggctg gtggtgattc agctatggan gaagcgaant tttctgactn 420

agtatggntc t 431

<210> 16951
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-001-Q1-E2-A9

<400> 16951

caaactggcc ggcacatgat ttgcatcagg gcattggaat ggattgggat tcgatcaacg 60

atttgagggt tgacatgggt agaatacagc aaaggatgga taacctgcag aggatgctag 120

aggcttgcat ggaaatgcaa ctcgagttac aacggtccat aagacaagag gtctctgctg 180

cgatgcaccg ctctactgac caaccaggtc catccaagga cactgcgagt tacgagtcaa 240

aatgggaata tgtaaggaaa gggatctgct gcgtatgctg cgagagcaat attgactctt 300

tattgtatag atgtggacat atgaacacct gcgagaagtg tgcaaagaag ctagtggaag 360

cgggaggaaa atgtcccatg tgtcaagccc ctgtgattga ggtagttcgt gcttactcta 420

ttctttgaaa ctc 433

<210> 16952
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-B1

<400> 16952

aaagaaaaga gagagaaaat gtcgtccagt aaatccaggt acgagggcag ccacttctta 60

gggttccggc aagaaaccac cgtatgacac acttggttgt ttgcggcgtt tccacaaaac 120

gccaccaccg tgaaatcaat gcactcagca gtaatagtgg tccatcgttg gattcggtcc 180

caacaagaac cgacaagagg cagtttcttc gtggtgacgg taacggtaaa ttcgggaagt 240

tcggtgggaa atttgtaccg gaggaaaacc cattgatgtc tccctgatag aacttgaaga 300

caattacttg ttagtgcatn acaattcagg agactacaag cgttagaaca ctaggagaga 360

acgctctcac tcgcgactcg aacgacacac agacatantc aacacg 406

<210> 16953
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-001-Q1-E2-B10

<400> 16953

ggttttagct tagggaagct tctagatctc tccgatgatc ccttgtggac aactggatgg 60

atttatgtta gggtgcagaa ccaacttgca tttgtatata acggtcaggt tgtcgttgac 120

acttcattgt ctctaaaaag tcgtgattat agtcacatca ttagcgttaa accgcttgct 180

atagctgcaa cggagaaggc tcaatttaca gttaaaggca tgaatctccg tcagcgtggc 240

acaaggttac tttgttctgt tgaaggaaaa tacttgattc aggaaacaac acacgattcg 300

acgaccaagg gaggatgacg atttcaagga caacagtgag attgttgagt gtgtaaactt 360

ctcttgtgat atgcctatat tgagtggtcg aaggattcat gggagattga agaccaaagg 420

actcagtagc aacttctt 438

<210> 16954
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-B12

<400> 16954

atcgaaacga agaatcattt gaagaagaag aagatcgtga gaagcttaat gggttggatc 60

ccgtgttctg ggaaatcgag tgggaggaat aagacaagga ggaacggtga ccacaaactc 120

nacaggaagt cttctgattg ttctgtgtct acttcagaga aatctanggc caagtcgtcc 180

ttgagtgaat ccaaaagtaa aggctctgat cacattgtgg cacaaacgtt tacattctct 240

gagttagcta ctgccactag aaacttcaga aaagaatgtc ttataggaga aggaggattt 300

ggtagagttt acaaaggata cttggccagc actagccaga cagcggctat caagcaactt 360

gatcataatg gtttacaagg aaacanggag ttcctcntcn angttccaag ttgagt 416

<210> 16955
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-B5

<400> 16955

atatcgacgt gacatggtgt caatatttca ctcctaaatt tcgtggtact cacgtggacg 60

ttgaggtaaa gggtaaaagg gtaatgaagc ttctgaatca tatagagact tatgagatgg 120

accaaccgag actaataatg agattcttac cggcgccggg agcttactgg gccggaaaag 180

tgaaaataaa gtgtccggag actgatctcg aagctgagtt acatttgatc tccgattcat 240

tcattgaaag attcagaaag ggggggcatc aacaccagat caatanaagg aaagtctttg 300

aatcttcctc tggtaacagc tctacaacat ttttggccat tgggacagaa cggtaatggc 360

cgagtatata aagactgggt ganctccnag gtcatttaca gngccaangg ggaatttcac 420

aggactcaaa cctcca 436

<210> 16956
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-C1

<400> 16956

gggaaaaaga tccttctcct tcctcctcct tccctccttt ccttcaacac aaactcctct 60

caattctaac tcctctggtt ttttttcttt aatcataaca ttttttttgaa gaacagagat 120

tctttttgtt tgtgtaagag atgggaaatt gtcaagcggt tgatgcggct gcgttggttc 180

tacaacatcc tgatggcaag atcgatagat attacggtcc tgtatccgtt agtgagatca 240

tgcgtatgta tccctggtca ctacgtttcn cctaataatc ctttggcccc cccgggagaa 300

agaatattcc cggggacaac aacaacaaca gtgataagan gaganaaagg gtgtaaggtc 360

aaccccgtga aacttcccga caaagggaaa nctggacttg gcaangctta acgccccanc 420

anttggaaaa aggtntgaan ggttaaaanc caanatt 457

<210> 16957
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-C11

<400> 16957

cgttcaagaa gcgatgttct tggatctggt actggaactt anggacatgg aactataatg 60

cgaggaggtg gtanatctcc ggccaaacct accaacaccg gnngaggatc caactcgccg 120

gtaaatgtcg gtaactctag tataagtant antactgttg ctacgggaga gactcctata 180

tggaaaaaag cgattttagg ttccggattc agaggaagtn aanagagtac ggaatgaaat 240

gtataaggaa aggtttgttt aatgaggctt tgaagttnta tgatagagca ntaactttat 300

ctccgactaa cgctgcttac cggagtaatc gagctgccgc attgattggn ttgtctcnaa 360

ttggtnaagc tgttaaggaa tgtgaagatg ctgttagatt cngntcnaac at 412

<210> 16958
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-C3

<400> 16958

ccaagaaaaa caanaacana acaagagtct cattatctct ctaattctaa agatggagaa 60

gaatatatca ataagcaaga agctagggaa cattgtacgt tttgtcttgt acatgttaca 120

caaaggcatt tctaagcaaa agctcctagc cgactttaat gccactctca aacgcggcaa 180

gaatctcatg ttccacaacc gccgccgtgt cccaggctcg gctgttgcgt cccatccaca 240

gaacgagtac gagtttagct gcagcgacac tcctaactac aacccgggnt ntcccccttca 300

acatggctgc cttcaagaag aagagccacc acaacagcct cttctcctgt ggtcaagcgc 360

caaccgaccc ttgatgacga cacttccgtc tccagagccg ttctaaaagc tgctcaacag 420

cggtggngat catgatcagg gaagtaacac gcccggcttt ttc 463

<210> 16959
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-C4

<400> 16959

agctcttatt gcttccactt ccttcttcgt ccccatctcc aactcttcct cctcacacat 60

tatcaataac agattcttcc cttcatttta ttctcccaac ttaaatttcg ggacttttcg 120

gaaaacttcc ttgtcatcat cacacctcgt cttctcatct tctgcaattt ccgcaccgcc 180

ttcttctact gttcttactc gaaacagcta ttggatggtg ttattggata aacctccgca 240

ttgggtttct tccaaatcag ccatggtaga ttattatggg tttnccgaga ttcttgcgaa 300

agtactggga aacgaaaaag atgcgcaagt gagtatatat gatgcttcct ttgataccca 360

tttcgggttt tgttgtcata tcgacgaaga tgcttcacga cagctcgcta gtttacctgg 420

agtagtgtct attagacctg aacaaggatt acagtt 456

<210> 16960
<211> 313
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-C5

<400> 16960

acnccaccaa atcgaaccag caccgtatcg tcaagactcc angaggtaaa ttggtgtatc 60

aaaccacaga gaagaganct antggcccca aatgtcctgt tactggcaan cgtattcaan 120

gaatccctca cttgangccc tctgagtaca ataggtcnag attatcaaga aacaggacga 180

ctgtaaaccg agcatacggt ggaaggtttc ccttgtctgg ttctgcantc agggaaanga 240

tcattcgggc attccttgtc naacagcaaa agattgtgaa caaagtgttg aaactccnan 300

acgctaanga gna 313

<210> 16961
<211> 87
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-C9

<400> 16961

ccctncagga ctatgaaact tcangttcgg taagtttgtg atctttgatg ggcccacacg 60

cncatggaca agaactacct ctcanaa 87

<210> 16962
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-D1

<400> 16962

gatttttcgg tgggttgtgt tggcttctga tctaggaatt gacgctagac ccttcttgac 60

gagaagcgat gacgttgatg aacaagaaaa ctggcatgat tgtccccaat acttaggaga 120

tgaagatttc tctgatctcg atcttctcca gttctttact ctccagggct tggataggtc 180

cggtaaccgg attttccgca tcgtcggaaa gtatttccct gctcgtgtag tgagtgcgga 240

gcggctgaag aagtatatat cccagaagat aagcaaccaa aaaatttgtc ctgagggacc 300

tttgtgcttg gtttacatgc atagcacagt ccaaaaggac gacaattcac cgggaattac 360

catcttacgg tggatttacg aaggaccttc cttcagatat caaagacagg cttcaacttg 420

ttgatttcat ccancctggt cttcgttcaa agacttgt 458

<210> 16963
<211> 333
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-D10

<400> 16963

ggaactgttt acgccngccc tttaccnggn ccaaaattcc cgggaaacac tcacgcgtcc 60

ggggttttag ttgncgcacg aggaggaaaa atgccancgg gtcatggagt tcgggcgaga 120

acgagggatc tgttcgcgag gccattcagg aagaagggtt acattccact ctcgacttac 180

ctgagancct tcaaggtcgg cgattacgtc gatgtgaang tgaatggtgc gatccacang 240

ggtattcctc acaagttcta ccacggtcgt actggtccta tntggaacgt tttaaccnca 300

ccgtcngtgt tgaactcaac nnncanattt cca 333

<210> 16964
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-D11

<400> 16964

ataggctcng aggctaattg cgctgtttgc acggagattt tcgagacggn gacngaggcg 60

cgtgagatgc cgtgtaaaca ccttttccac gacgattgca tcgtaccgtg gctatcgatt 120

cgaaactctt gtcccgtgtg cagattcgag ctaccttcag agcctaatcg acggagcaac 180

aacaacgagg aggataacgc cgtggggatg acgatttgga gacttcccgg tggtggattc 240

gccgtaggga ggtttaacgc agcaatgaga gacggagaga gagttttgcc agtggtgtta 300

acagaaatgg atggtggtgg gattggtaat agccaggatg gtcctagacg gatctcatgg 360

gttaggtcac acggtacact cgaatcggat agtaacggta ctggctcaag ttcccggctc 420

cggtggaaga ttgagg 436

<210> 16965
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-A5

<400> 16965

tacatcccaa ttctaaaaaa attgtttttt caatttttct cctttgattt cttaaaagaa 60

gatccacaac aacaagaatg aatacattca agatatcata tttcattatg gtgctcataa 120

tggtcttagc cattgctata acatttagcg agccgctaac ggttgaagca aaacatcaac 180

acaaatatgg ttgggggata gccgcttctg caaggaacaa aggtaggaaa catttaggtg 240

caacattgac atgtgacaaa agccttcccc cccaagggta tgtccgtctc aaaggcantc 300

cangtcgtaa ttgttgtccg ttaagaaagt ggtgtcccaa ttttgangga ccaaacaaaa 360

ttngaactgg ccgggaagat gtttggaaaa aatgctggcc aaattaactc ccggaagggg 420

tttgcctggc aaaccgggnt aaantggtgt taaaacccca aatngttttg gataagggag 480

aacaattggt ggg 493

<210> 16966
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E1-E12

<400> 16966

tcatttaact ttcctaaaac aatggcttta aaacatatgc aaatctttct cttcgtcgct 60

atattttcat cattctgttt ctccatcact ctttctcgtc cactcgacaa tgaactcatc 120

atgcaaaaga ggcacatcga gtggatgact aaacacggcc gtgtctacgc ggatgtgaag 180

gaggaaaaca atcgctacgt tgtgttcaaa aacaacgtcg aacgcattga acatttaaat 240

agcattcctg ccggaagaac tttcaaactt gcggtaaatc agtttgctga tttaaccaat 300

gacgaatttc gttccatgta cactggtttc aaaggtgtct cggcattatc tagccaaaag 360

ccaaactaaa atgttcgccg tttaggtacc aaaacgtttc ttctggtgct ttgccggntt 420

ccgttgactg gangaaaaaa 440

<210> 16967
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E1-E9

<400> 16967

gnnnngnaac tcnattagnn cgccagtacc ganaccaaga attcgccggt cgacccacgc 60

gnccgctctt ttttttttt tggtgtcacg aaaacgaacg aatcagtgtc ggctcttggg 120

ttccgaacaa aaacaacatt gtacgtcgga tccaaaaaac gcgcgttata taaacgctta 180

atttctccag gattcttctt ctgcttccgc cattgctcga aaatcgcgtc ttctgacaat 240

gtgctgaaac tgagtcatcg tccgagttag caaagtgaaa cttcgaagtt tctcttacac 300

taatctcagg tttgggattt tgtaagaaac cgcgtttaca aaatgttcaa gttgaagcaa 360

tggttgattt atttggtgtg ttcgttagta ataatgaaca cagaaggact gtttgtcaat 420

attacatttg ttcgaaacgc agtcgctaaa ggggccgttt gtttagatgg aagtccacca 480

ncttancaat tgggtaaaag g 501

<210> 16968
<211> 55
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E1-F12

<400> 16968

tctctccctt ggtttggnaa ctgccngtgg tgtcatgacc actttgatcc caagg 55

<210> 16969

<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E1-F9

<400> 16969

cttggctcag taactattaa tgttgaacgt gaaggccaaa cgggtccagt gtggcactca 60

ttagacagcc cgtctgggca ggtttgcctt aacattaatg caatcaaact acccgtgaat 120

gctcctaggg ctgtaactgg atatgctgga gccggtagaa gaagggtcac attggatcag 180

caaggcccaa caattgtaca tcaaaagcca gggcctctgc agacgatatt tgatctcctc 240

ccggatgagg ttgtcgagca cagttattca tgtgccctgg agaggtcatt cctgtatcat 300

ggccgaatgt atgtttccgc gtggcacata tgtttccact ccaatgtttt ctctaagcaa 360

atgaaggttg ttgtccctct cggagatata natgagattc gtanaagtca acaccgttga 420

taaacccanc ta 432

<210> 16970
<211> 524
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E1-G10

<400> 16970

gggtngnaac ttcnattnag nacgcnccgt atcacgacac aaattcggcc ggtcgaccca 60

cgcgnccgag cgtttatact ctgtaatgcc agatccgcgg taacgcaagt cagtgaccta 120

ctccggcgtt tatcactgaa tccgattatg gctagtcttc ttcgatcctt aatccttttg 180

ctaatcgtgc aatcattttt ggttgcgatc gctttcgggt cgaaagaagt tgaagaattc 240

agcgaggcat tgctcttgaa gcctttacct gatcgaaaag ttttagctca cttccacttc 300

gagaaccgag ctcctccgtc aaactcccat ggccgccatc accatctctt cccgaaagct 360

atttctcagt tggttcaaaa gtttcgggtc aaggagatgg agttatcttt tactcaaggg 420

tcgatgggaa ccatgaaaca attggggaag gatttgaccc tccaatcaag tatgaatgcn 480

aancctgtt ggtgttggaa cctgttgggc ngtgttttga ngtt 524

<210> 16971
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB25-001-Q1-E1-G11

<400> 16971

tgctgctgct tctcatcctg gtttctctga gaaccatcca gacgtacaga accccaaaca 60

aatagataag gatcatgttc ttgagaaact gaaggatctc gtctttagtc atgatgagca 120

tggagacaac agtctaactg aaactgttga acaagccaac attcccacct gcaagaactt 180

ggaagacaga gatacacttg aagaggaaac atgttcagag gggaaaatag atggcagttg 240

tcttgtatcc tctcctcttc cacatacaat aagccagttg atgcatgagg tgaaggaact 300

cagggcatgc gggctggaaa attcaaccaa gatatgttac ttggaagaga agctggacaa 360

agcacacaag gaaatttatc aattgacaga gcgttgcaac atgctggagt ccatatcaag 420

tccttta 427

<210> 16972
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E1-G9

<400> 16972

gtntnganca tcntnnagnn ngntcggtac cgnnactgga attcgcgggt ccgacccacg 60

cgnccaatgg aaccgccggc caccgcatct aatcgctctt ccagacggct actctttgac 120

cgccgttacg gctgggtgta aattctctat ctttatcagt taaattcatt ttccanttta 180

atggagacaa aatgattctg tgttggctta acagggtcga cgaatggaag gacccatcgg 240

aggaagctct cgccggcggc agaggaatgt tttgtgtagt tcccttgacg aaaactctgt 300

ttcagacagc ttcacaatca atgaactcag ctgtcaaatt tctggatatg aagtttcaga 360

aattggcaaa tcctatgcac aatccaagtg gagatttagg gtcaaaatca aatgtgttgg 420

attaacaagt acatgtgttt antgttggat tatacgtcta gatctcanct aagtactttg 480

ntcaaagttt tttggctgng ntna 504

<210> 16973
<211> 379
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E1-H10

<400> 16973

tgatgttaca ttccctgcgc ttcaatgttc gattattagt cttgattcca tggatatcag 60

tggggagagg caccttgatg tgcgacatga cattattaaa aggagattag actcttctgg 120

caatgtcatc gaggcaaaac aagacggaat tggtcatact aagattgana aacctttaca 180

aaaacatggt ggaaggttgg aacacaatga aacatactgt ggttcctgtt ttggagcaga 240

agcgtcanat gatgcttgtt gtaattcatg tgangaagtt cgcgaagctt accgaaagaa 300

angttgnggc cctctccaga ccctgaatca atccgancaa ntgtaaaaga naanggcttt 360

ttcaaaaagg taaaannntg 379

<210> 16974
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E1-H11

<400> 16974

acatccatac acaggtcaca gagcctttgc ttcaagagat ttttacaagc actggccctg 60

ttgaaagcag taaactcatc agaaaggata agtcatcata tggatttgtt cactactttg 120

atcgaagatc cgctgctctg gctatactgt ctctgaacgg aaggcatctg tttggacagc 180

ctatcaaant caattgggcg tatgccactg gtcagaggga agatacatca agtcatttca 240

acatttttgt tggagatctc agtccagagg tcactgatgc aacattatat caaagctttt 300

ctgtcttttc cagttgttcn gatncnagan ttangtggga ccaanaaact gggcnctcga 360

tangctttgg gtttgtttcc ttcncaatca acagggntgc ncaaactgcc attannng 417

<210> 16975
<211> 462

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-A1

<400> 16975

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gccattgttc gtttcacttc ccagcttgcc tgggctgatg ctggtcccga ggtcgcagag 120

cctgaagttt ccaggctatg taaggaagca gaggagtcta taataaatgg gaagtggctg 180

gatttggcaa cgttgatggt aacttcagct gacttggtat cagccaaaat ctctgagaaa 240

gatcttgagt gtacctacac catcatttgc aaccttgtca agaaaantnt gccgaacaag 300

tcctgaggaa ntccttgaaa tggtgaaact atactgctaa ggttatcaac aaccaaacga 360

caaagcttca ttgnttttga anantcnctt aanncnaaaa aaanccgggt anacaaccaa 420

aatgcccgtt ttcaaannta catgaaagcn ctggaacngg nt 462

<210> 16976
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-A10

<400> 16976

tctttggaca cggatggctc aagccttggc tcaaccacca ctggtggtca ccaccgtcgt 60

cccagacccg ccgccgccgc caccaccacc gcacccaaag ccgtatgctc tacgatacat 120

ggcggntctt cttggccgga ttggtataat ggatacanac aaagatggta acatcagccc 180

acagagtccg aggagtccta ggagcccang aaacaacatt ctcatgggga agtacgagct 240

tgggaagctt ctcggccacg gaacctttgc aaaggtttat ttagctcaaa acatcaaatc 300

tggagataaa gtcgccatta aagtcatcga nnaggagaag attatganag agtggtttgg 360

ctgctcacat cannacgggg aaatctctat cntccgccgt gtccgtcacc cttacatcgn 420

tcaaccaagt cgacgttatt g 441

<210> 16977
<211> 507

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-A11

<400> 16977

gnnnnngnnn aactgtttac gcctgccttt acgccgggnc cgtaccggtc cataattccc 60

gggnacgttt cctcgcactc aacatcatca tcagaggttn aaagacgaac gaatnagatg 120

ccttcaagca cattctccgg gactgttagc acgccgaagc tgtcggtggc agtggacatg 180

ggaaaccctt ttctcaatct caccgttgat gccttcctca agatcggagc tgttggagtc 240

actaaatctc ttgcagaaga cacttacaan gccatcgaca aagggagtct ctccangagc 300

actttggacc atgcgcttaa gaagttgtgt naagaaggtg tttactgggg agctgctggt 360

ggngtgtnca ttggaacaga atacggnatc gaacgtatcc gtggcagcan agattggnan 420

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aatgacacta ttgtgatcga tgccant 507

<210> 16978
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-A2

<400> 16978

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gttcgatcca tggccagtgt tcttcaagag agaatggaaa cgttgctggc cattcctcac 120

cggtttcgcc gtcaccggcg ttctcatcac caagctaacc gccggactca ctgaggaaga 180

tgctaagaac tccaagttcg tccagcaaca cagaaggtga ttcactgaag caaaatgtag 240

aagctgacaa ggcatataga tttgggacnt aaatttaagt gaatgcttca gctttgaaac 300

atgttcaata acaaagaaga tcattctata tactctttta ttttctctga gtttcgaaat 360

cagcttttcc ttttctgaaa cttagcaatg gaatgggttt tgttcacaag tatcttaatc 420

ccatttgttt gggaaatgga ttttatggc 449

<210> 16979
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E2-A3

<400> 16979

gctgtgtttc atttcaaatc atcatcaaac cggcaaagcg aagcaatatc tccattcgtc 60

aacactttat gcttacggta tccattagta cattttttca aggtggacgt agaggagagc 120

ttggcattgg cgaaagcaga gagcatcaag aaaattccaa cgtttaagat ttataagaag 180

ggagagaaag tgaaggaaat ggtatgtcct agtcatcagt tactagagga ctcngttacg 240

catttccnct tataacatat cnctcttctc attctttcaa anctttttaa aagccttcac 300

gaacgtaaat tgattcaaag agccatttgt aattgaaatt tcatcctttg tttgcttacg 360

gtatancaaa ttgaaacctg cncnnattgt nttaacccga ggaaatggca ggtttcncng 420

gaaaaaaann nnnnnng 437

<210> 16980
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB25-001-Q1-E1-E11

<400> 16980

ggttctcatc tttctctcta agagattttg taggtgacaa tcaaaagttt gacaaaatgg 60

tgaagtttac agctgatgag cttcgaagga ttatggacta caaacacaac atccgtaata 120

tgtctgttat tgctcatgtc gaccacggga aatccactct tactgattct ttggttgctg 180

ctgctggtat cattgcccaa gaggttgctg gtgatgttcg tatgactgat accagagctg 240

atgaggctga acgtggtatc actatcaagt ccactggtat ttctctctac tacgagatga 300

ctgatgaatc cttgaagagt ttcactggag ccagagacgg aaacgagtac ctcatcaatc 360

ttattgattc acctgggcac gttgactttt cntctgaagt tactgctgct ctccgtanta 420

aaggag 426

<210> 16981
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-021-Q1-E1-D9

<400> 16981

tacggctgcg agaagacgac agaaggggga tctctggttc gaagaaaatc caccatttcc 60

gattgttctt tctctttgac aaaacccaga tagataaaaa ttcgttccaa ttccagtgag 120

ctccggaaat ggcgtccttc aagttgatgt cttcttccaa ttccgacttg tctcgccgta 180

attcttcttc tgcttcatct tcccttcta taagatcatc gcaccatctc cgaccaaatc 240

ctcacgccga tcactccaga atcagtttcg cttatggcgg aggagtcaac gattacactt 300

tcgcgtctga ttcaaagccc ttcgagatgg cgattgatgt tgatcggagt atcggagatc 360

ggaacagcgt taacaacgga aagagtgttg acgatgtttg gaaagagatt gtatct 416

<210> 16982
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-027-Q1-E1-H9

<400> 16982

tacggctgcg agaagacaac agaaggggat gcgtaaacag aaacacgttg atgatctaac 60

ggctcagatc aatcagctat caaacgacaa ccgtcagatc ttgaacagcc tcaccgtaac 120

atctcagctt tacatgaaga tccaggccga gaactctgtt ctcaccgctc agatggagga 180

gcttagcacc agactccaat ctctcaacga gatcgttgat cttgttcaat ccaacggtgc 240

aggatttggt gttgaccaga tcgacggctg tggttttgat gatcgtacgg ttgggatcga 300

cggatattac gatgatatga atatgatgag taatgttaat cattggggtg gttcggttta 360

cactaaccaa cccattatgg ctaatgatat caatatgtat tgattaatan aattaattaa 420

aataattaga tgccc 435

<210> 16983
<211> 331
<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB35-055-Q1-E1-B3

<400> 16983

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tcagtcttgc tgttgaaaac tcgtcatgga acgatgagaa acagcttcag gacatgtact 120

tgagccgcaa atcgtttgcg tttgatagtg atgctcctgg agcaggaatg gctgagaaga 180

agcaggtctt tgagatggct cttagcactg cagaagtcac cttccagaac ctggattctt 240

cagagatttc tttgactgat gtgagccact acttcgattc tgaccctaca gatctagttc 300

agagtttgat gaaggataat aagaaaccaa g 331

<210> 16984
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-055-Q1-E2-B3

<400> 16984

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tcagtcttgc tgttgaaaac tcgtcatgga acgatgagaa acagcttcag gacatgtact 120

tgagccgcaa atcgtttgcg tttgatagtg atgctcctgg agcaggaatg gctgagaaga 180

agcaggtctt tgagatggct cttagcactg cagaagtcac cttccagaac ctggattctt 240

cagagatttc tttgactgat gtgagccact acttcgattc tgaccctaca aatctagttc 300

agagtttgag gaaggataag aagaaaccaa gctcttacat tgctgacact acaactgcaa 360

acgcgcaggt gaggacacta tctgagacag tgaggctgga cgcaagaaca aagctgctga 420

atccaaagtg gtacga 436

<210> 16985
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-023-Q1-E1-F11

<400> 16985

cccacgcgtc cgcccacgcg tccgtacggc tgcgagaaga cgacagaagg gtacggctgc 60

gagaagacga cagaagggga ctagagataa ccctagaaag atctctctcg atctctggtt 120

cgaagaaaat ccaccatttc cgattgttct ttctctttga caaaacccag atagataaaa 180

attcgttcca attccagtga gctccggaaa tggcgtcctt caagttgatg ccttcttcca 240

attccgactt gtctcgccgt aattcttctt ctgcttcatt ttccccttct ataagatcat 300

cgcaccatct ccgaccaaat cctcacgccg atcactccag aatcagtttc gcttacggcg 360

gaggagtcaa cgattatact ttcgcgtctg attcaaagcc cttcgagatg gcgattgatg 420

ttgatcggag tatcggaga 439

<210> 16986
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-011-Q1-E1-H5

<400> 16986

tacaactgcg agaagacgac agaggggata tcaagaaaat gattaatagc actaaccatc 60

agaggtttag cgaggaacac atcaagtcac ttgagcttat atatgagtct gagacgatgc 120

ttgagccgag gaagaaggtt caggtagcta aagatctagg gctgcaacca atacaagtgg 180

ctatatggtt tcaaaacaag acggctcgat ggaaaactac acaacttgag aaagagtata 240

acactcttac agccagttac aacactttgg cttcacaatt tgaggtcatg aataaagtga 300

atcaatctct ggtctctgag ctgcagatac tatacgaaga tatgcacatg cctaaagaag 360

aaaagcatca tgagtgttgt ggtgatcaat gactggatct aagcatcagc acagagtctc 420

ataatggaaa c 431

<210> 16987
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-047-Q1-E1-D3

<400> 16987

cccacgcgtc cgcccacgcg tccgcccacg cgtccgtacg gctgcgagaa gacgacagaa 60

gggtacggct gcgagaagac gacagaaggg gaaaaagaac aaaaaaaaaa ggtcaaacca 120

aaacgatggc gtttcatcac aatcatctct cacaagacct ctccttcaat catttcaccg 180

accaacacca acctccacct ccgcaaccgc ctcctcctcc tccgcaacag caacaacatt 240

tccaagaagc accgcctcct aattggttaa acacagcgct tcttcgttcc tcagataaca 300

acaataactt cctcaacctc cacaaagcca ccgctaacac cacaaccgca agcagttccg 360

attttccttc ctccgccgcc gcccgcgccg ctgctaacca gtggctatcc tcgccctcct 420

ctttcctcta accaaacaac aacaacaacg 450

<210> 16988
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-023-Q1-E1-F1

<400> 16988

cgagaagacg acagaagggg aaagaaaaaa aagaaacaaa taattccaaa accttctctc 60

ttaatcaaaa tcaagaaact tacaagatct ggtgaaaacc atggaagaag gagatttttt 120

caactgctgt ttcagcgaga ttagtagtgg catgaccatg aataagaaga agatgaagaa 180

gagcaataac caaaagaggt ttagcgagga acagatcaag tcacttgagc ttatatttga 240

gtctgagacg aggcttgagc cgaggaagaa ggttcaggta gctagagagc tanggctgca 300

accaagacaa gtggctatat ggtttcaaaa caagaaggct cgatggaaaa ctaagcaact 360

tgagaaagag ttatacattc ttaagagcca attacaacaa tttggcttca caatttgaaa 420

tcatgaagaa agaaaagcaa tctctggtct ctgagctgca 460

<210> 16989
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-006-Q1-E1-C12

<400> 16989

tacagctgcg agacgacaga agggggagac gctcacattg caaaaacaaa accaacaagg 60

aacttgtctc tctctctggc tctctttctc ttaacgtgat cataacgtga ttcgaaaatt 120

ggatatagat aggtttcttg ttggatcttg atccctctgg aaaaggaggg gagaatagca 180

gttcatgatg ggattttgta tctgcccgtt ggagtcacct gcgagattac tatggagtac 240

agcttcttcc gccataagat catgatcttc taatccttcc tacttcttcc catcttttta 300

atcatcttct cgctatctct gcttcccctt tctctctgtt tcctctttct cagaactcag 360

aagtagttgt tgttttattt ctgttgatca aaaatggaat ccaattcgtt tttcttcgat 420

tcatccgctt cacac 435

<210> 16990
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-024-Q1-E1-H6

<400> 16990

tacggctgcg gaagacgaca gaaggggtc aaggaggaag aagtttcgtt gccggagaag 60

attacagagg caccgtcgtc tcctccacag tttcttgaac attctgatgg tcttaattac 120

cggagtttca cagatctacg tgatcttctt ccattaaagg cggcggcttc ttcattcgcc 180

gccgcagctg gatcttcaga cagtagcgat tcaagcgctc tgctgaatga agaaagcagc 240

tctaatgtca ctgtggcggc tccggtgacg gttccaggag gtaatttctt ccagtttgtg 300

aaaatggagc agacggagga tcatgaggac tttctgagtg gagaagaagc ttgtgaattc 360

ttttccgatg aacaaccgcc gtctctacac tggtactcca ccgttgatca ttggaattga 420

agctgaaaac accaccggaa gagattttgg at 452

<210> 16991
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-031-Q1-E1-D9

<400> 16991

cccacgcgtc cgcccacgcg tccgtacggc tgcgagaaga cgcagaagga tgagttagag 60

aataagcttg agcctgagag gaaagttaag ttagctcaag aacttggtct tcaacctcgt 120

caagttgctg tttggtttca aaaccgtcgt gctcggtgga agacaaaaca gcttgagaaa 180

gattacggtg ttcttaaaac ccagtacgat tctctccgtc ataactttga ttccctccgc 240

cgtgacaatg aatctctcct tcaagagatt agtaaactga aaacgaagct taatggagga 300

ggaggagaag aagaagaaga agagaacaac gcggcggtga caacggagag tgatatttcg 360

gtcaaggagg aagaagtttc gttgccggag aagattacag atgcaccgtt gtctcctcc 419

<210> 16992
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-002-Q1-E1-D7

<400> 16992

cccacgcgtc cgcccacgcg tccgcccacg cgtccgccca cgcgtccgta cggctgcgag 60

aagacgacag aatggtgagt tagagaagaa acttgagcct gagaggaaag ttcagttagc 120

tcaagaactt ggtcttcaac ctcgtcaagt tgctgtctgg tttcaaaacc gtcgtgctcg 180

gtggaagaca gtacagcttg agaaagatta cggtgttctt aaaacccagt acgattctct 240

ccgtcataac tttgattctc cccgccgtga caatgaatcg cgccttcaag agattagtga 300

actgaagacg acgcttaata gaagaggaga agaagaagaa gaagagaaca gcgcggcagt 360

gataacggag agtgagatct cggtcaatga ggaagacatt tcgtttccgg 410

<210> 16993
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-012-Q1-E1-F11

<400> 16993

tacggctgcg agaagacgat agaaggggga gacgctcaca ttgcaaaaac aaaaccaaca 60

aggaacttgt ctctctctct ggctctcttt ctcttaacgt gatcataacg tgattcgaaa 120

attggatata gataggtttc ttgttggatc ttgatccctc tggaaaagga ggggagaata 180

gcagttcatg atgggatttt gtatctgccc gttggagtca cctgcgagat tactatggag 240

tacaagcttc ttccgccata agatcatgat cttctaatcc ttcctacttc ttcccatctt 300

tttaatcatc ttctcgctat ctctgcttcc tctttctctc tgtttcctct ttctcagaac 360

tcagaagtag ttgttgtttt atttctgttg atcaaaaatg gaatcaaatt cgttnttcnt 420

cgattcatct gcttcacacg gcaaca 446

<210> 16994
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-010-Q1-E1-H6

<400> 16994

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taaatcctct gaggaaaaat tccgatgaga tgacagaagg tggagaatat tctccggcga 120

tgatgtcagc agagccattc ttgaccatga agaagatgaa gaagagcaac cacaacaaga 180

acaatcagag aaggtttagc gacgagcaga tcaagtcact ggagatgatg tttgagtctg 240

agacaaggct tgagccaagg aagaaggttc aattagctag agagctaggg ttgcagccga 300

ggcaagtggc tatatggttt cagaacaaga gggctcgttg gaaatccaag cagctcgaga 360

ctgagtacaa cattctcaga caaaactacg acaacttggc ttctcagttc gagtccttaa 420

agaaagaaaa acaagcttta gtctctgagt tgc 453

<210> 16995
<211> 392
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-035-Q1-E1-B8

<400> 16995

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caagaactca aacatgaact caagcagggt tacaaggaga aaattgtgga cataagagag 120

gagatactga ggaagagaag agctggaaaa ttaccaggag acaccacctc tgttctcaaa 180

tcatggtggc aatctcattc taagtggcct taccctactg aggaagataa ggcgaggttg 240

gtgcaggaga cgggtttgca gctcaaacag ataaacaatt ggttcatcaa tcaaagaaag 300

aggaattggc atagcaatcc atcttcttct accgtctcaa agaataaacg ccgaagcaat 360

gcaggtgaaa acagcggaag agaccgttga ga 392

<210> 16996
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-055-Q1-E2-E4

<400> 16996

agtacagagg ctagagagaa tgggatggga ataagcttgt ttcgcaggtt atcagaagcc 60

catcctcagg caatttcagt gttacaaaac cagtaccgaa tgtgtcgagg tattatggaa 120

ctatcaaatg ccttgatata tggagacaga ttatgctgcg gttctgctga agtagctgat 180

gccacacttg tgctttctac ctccagttct acttcgccat ggcttaaaaa ggttctggag 240

ccaacaagaa cagttgtatt tgttaataca gatatgctgc gtgcttttga agctagggat 300

cagaatgcga tcaacaatcc agttgaagct tccataatag ctgagattgt anaggagcta 360

gttaacaatg gagttggata ntaaanatat tgggatccta cc 402

<210> 16997
<211> 397
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-055-Q1-E2-E8

<400> 16997

ggacctactg ctgaatcacg tggatcctta aatctgaata tccaatactg gacaagtcga 60

ggttgggcat ttgttgatgt caattatggt ggaagcacag gttatggtcg agagtatcga 120

gagcggttgt taaggcagtg gggaatagtc gacgttgatg actgttgtgg ctgtgctaaa 180

tacttggtat cttctggcaa ggcagatgtt aagcagctct gtatatctgg cggttctgca 240

ggaggttaca caactcttgc atcattggcg ttcagggatg ttttcaaagc tggagcgtcc 300

ttatacggag tggctgattt aaaaatgttg aaagaagaag gtcataaatt tgaatcccgt 360

tatatcgaca atcctgttgg agatgaaaaa gatttct 397

<210> 16998
<211> 254

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-055-Q1-E2-F11

<400> 16998

agcaacagtc atcaaagagc caatggcttc ttcaggtttc agcggcgatg aaactgcgcc 60

tttcttcgga ttcctcggcg ccgccgctgc gctcgttttc tcctgtatgg gagcaacgta 120

cgggacggcg aagantggag ttggagttgc gtccatggga atnatgagac ctgaacntnt 180

tattaaatcc aatgntcccg gtngccangg cnggggtntt taggtattta nggtttgatc 240

atccctgtta tcaa 254

<210> 16999
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-055-Q1-E2-E11

<400> 16999

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cataaagatt catcgagaag aaagataaaa tcctaagtct ggtgcaagtc tcgagtagaa 120

taacatcatt tctaggacat ggcaaactca ttacggctgt atctagcatg cataaaaaat 180

acactcgagg ctgccatgtg cttacagaat tttccttgtc aagaagttga aaggcataat 240

aaaccagagg ttgaattaaa gacgagccca gaacttttgc taaatcctgt tttaatatgc 300

cgaaatgagg ctgaaaagtg tttaataaga aacatccaat aaantcaatn ccgggttaan 360

cctcaaggtc aagcaagcgg atgaacttga aaacatacta acca 404

<210> 17000
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-055-Q1-E2-F3

<400> 17000

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aagatcgtcc cggggaaata cagttctctc accgatcatc agtttcgtgc gccgtatcga 120

attaggtgcg ccgccgcttc acctgggaaa aaacggtata acatcgctct gcttcccgga 180

gacggtatcg gtccagaagt tatctctgtt gctaagaatg tgcttcagaa agctggatct 240

ctcgaaggac tggagtttga tttcaaggag atgcctgtcg gaggagcagc cttggatttg 300

gttggagttc cattgccgga ggaaactttc acgggtgcaa aactatcctg atgccattct 360

tcttggagct attggaaggg tacaaatggg acaangaa 398

<210> 17001
<211> 389
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-055-Q1-E2-G4

<400> 17001

acagattcga tttgggtgtt tttggttttg gatttggtaa agcttctcgg tcacttgctc 60

ggtgattgaa actgaatcga ttgtgattgt gattgtgatt gtgattgtga ttgtgaggga 120

attatggctc aagccgtaga agagtggtac aagcagatgc cgattataac ccggtcgtat 180

ctcacggcgg ctgtagtcac caccgtcggg tgttcgctcg agattatatc tccttataat 240

ctctacctaa atcctaccct tgtggtgaag caataccaag ttctggcgtc ttgtcacaaa 300

tttcctttat ttccgaaaga tggatttgga ctttttgttc caaatgtgtt tcctccttgt 360

gcatatgaac tcaaattgtg tacaaaagt 389

<210> 17002
<211> 351
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-055-Q1-E2-H11

<400> 17002

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nnnngaaacc atttgatcga tctctcaggt tacttagaat ggcacaagaa gccgatggga 120

tcagattgga ccaaagacat gggaaggctc gagtgagagt tggaagagtt tggcgtcatg 180

ctcatgatgg atctcatcac tttgttgaat ggaatgttag catcaagttt tctctctcac 240

tgtctctctt cttaccgtct tgatgataac tccgatantg tcgccacaga ttccaattaa 300

aacaacngtt aaggttnaaa gccaaggaat gtggagatcg gctctcggtg g 351

<210> 17003
<211> 360
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-055-Q1-E2-H12

<400> 17003

tggctggtcc ataaacgcct tttgtgagct cgtggctcag tctcaaaggg agagatggtc 60

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attctcatgc tccccttctg ttgatcagca gacttgtggg cgttgctcaa agcttttaac 180

tgaaaggtct ccagttgcca ggtttgacct tccaattcct gctgttctag cgtgcggcca 240

tgtttaccat gcggcatgct tagagacaat gacaaatgaa acagagaagt atgatcctac 300

gtgtcccata tgcacagaga cacaaggtta cnaatttanc ganggaaagc tctaaaaccg 360

<210> 17004
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-055-Q1-E2-H8

<400> 17004

gaatatgttg tgactcgttg gtaccgagcc ccagagcttc tcctctgttg tgacaactat 60

ggaacatcca ttgatgtttg gtctgttggt cgcattttcg ccgagcttct tggtaggaaa 120

ccgatattcc aaggaacgga atgtcttaac cagctgaagc tcattgtcaa cattctcgga 180

agccaaagag aagaagatct tgagttcata gataacccga aagctaaaag atacattaga 240

tcacttccgt actcacctgg gatgtcttta tccaagactt tacccgggcg ctcatgtttt 300

ggccatcgac cttctgcaag aaaatgcttg tttttgatcc gtcaaagang atagtgtctc 360

tgaagcactc caacatccat acatggggnc tcca 394

<210> 17005
<211> 321
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-056-Q1-E1-A7

<400> 17005

aagaaaacaa agacttatcg atcatgaaga tcagacttag cataaccatc atacctttat 60

catacacagt ggctacggtg gccgggacan caatgcggtc gtcaaggcgg tggtcgaact 120

tgtcccggta acatctgctg cagtcagtac ggttactgtg gnaccaccgc ngactactgt 180

tctccgacca acaactgtca anngcagttg ttggggaagn tggggcctan gcgggcccag 240

ggggaagagc gccgtcgaan ngtacgcgnc caacntaccg anttctanta atccgggggc 300

agaaataatt ggggatttgg a 321

<210> 17006
<211> 375
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-056-Q1-E1-B7

<400> 17006

gcccaaccgc gcatacgatc atcgacatca tggcggcaag agcccactag ccacccccc 60

cganccattg cgcctgggac caataatccg ccagatgatt cacatttccc gagagaaccg 120

attgtagttc cgattccgan aaggtctctc gtttccacgt gtctgacagt cggaatgccg 180

tttccatgcn ttgngatccg tanatgccga cgcgggcgcg agtgggagat ntccnggagt 240

tgcangtatc angccggggt cngagagtcc tcgtccccac gantgntgtt ganccgtcgg 300

ttctcaatgg gtgnattcgn gtnggcgntc ancggcgcan attgggaact cgggaatccc 360

ggattctcgg ctggg 375

<210> 17007
<211> 343
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-056-Q1-E1-C5

<400> 17007

agagatcgan agaagaatag tttgatcatc ttgtgagaaa aataatggct gctttagtga 60

tgctatcttc ggtgacattg aaaccagctg gtttcacggt ggagaagacn gcggctaggg 120

gattaccgtc gctcacaaga gctcgtccct ccttcaaaat tgtcgccagt ggcgtcaaga 180

ngatcaagac cgacaaggcc cttcggnatt aacgggnagn atggnctttg agggacngcg 240

ttcgacgcct ccnggncaga anaggggcaa ggggatacgg tgtttaacaa gtacgtcgan 300

cangtatngg nnctaacgtc natggagtac agtcctantt aca 343

<210> 17008
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-056-Q1-E1-C6

<400> 17008

ttggtagccc tgcaggtaaa ggtccggaat tcccgggtcg acccacgcgt ccgcccacgc 60

gtccgctgcg agaagacgac agaagggtgg aggcgttctt gatcatactc tcagtcaccc 120

agcttattta catcgcagca gttcatggcg tgaggagacc ttaaggaatc attcatgggc 180

gtcggatttc ttttcttcct attgtggcaa tcatccgaaa ctcgggatnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnctttattt tcttcatagg aagcttaaga taaattcatg 300

cattctttat gtacaaaagg attagatctt gttttgtgtg ttgtcacttt gtgttcatgg 360

aataaaatcg aactttgagg caaaaaaaaa aaa 393

<210> 17009
<211> 325
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-056-Q1-E1-C8

<400> 17009

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aagagttatc taagttgcta gaaggaagct tcttccacac atgagaaagg ggaagagatt 120

actaatacca atccttttga taacagtacc gggagaacag anagtacang aaagtccttt 180

ggaagctatt gatagacatt tgaaagatga cacaacaatt cattggtcag ctcacaacgt 240

tcangtaata ggaaaaggag agaaaggtaa agataaagac accgtggaaa gcgaagtgta 300

tcatttagaa aagagagaag cttct 325

<210> 17010
<211> 314
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-056-Q1-E1-D2

<400> 17010

tgcaaacgag accctcgatg agcaaagttg ttcaaatgct tgaaggtgtt tttccggtgg 60

tccagccacc tagttcttcc actatgggat cgagacttta ctcaagcttc tttaagtcca 120

tcagcgagga cggcggtgct actacgtcat ctgggaccgt ccgattgtac aagtgagaaa 180

ttatctctcc gcccgtgaga ctctccggtc cgagatagca atcttttag ccaattttta 240

gtatcttata taataggttt ttggctcacc atgttttgtt gtatattgtt tttgtgttac 300

atcttaaaag aata 314

<210> 17011
<211> 340
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-056-Q1-E1-D3

<400> 17011

gagcttaagc aagcacttga cgctgatata caaggatcgg atcatgaagg agagagagat 60

gcanagttat atagaagagc gtgagcgtga agtcgctgag cgagaagctg cctggaaagt 120

tgagctctct cgccgtnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnagtgttct tatggggact gcgtcgaatc angataatca 240

agatggtgct ctggaaatta ctggtgagtt ggtggagaaa tatcggtgtc ttagattctc 300

taaggctaat aaatgaggtt gggaattggn atctggattc 340

<210> 17012
<211> 329
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-056-Q1-E1-D5

<400> 17012

ttgtaacggc aagaagctta ggtgtcctgc taagtgtttc aaatcttttc gccgcagccg 60

atggaacacc gttcgtgaga gaaaacatgg tttgtatctt tgagagttac gccggagata 120

ttgggtggcg tcactccgaa agccccatca ccggtatacc gataagggaa gtgagaccaa 180

aagtgacgct agtggtacga atggcagctt cggtaggtaa ctatgattac atcatttgat 240

tacgaagttc naaactgatg ggcttataaa agctaaaggt cgggctaagt ggaatactaa 300

tggtgaaagg gacaacatat caaaacana 329

<210> 17013
<211> 319
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-056-Q1-E1-D6

<400> 17013

ggctgcgtca gtaaaacgta ttcttaaaag caaccattgg tgtgattgac tctataagag 60

aattcgtcag cgtgaagcaa tctccaatct aatcgcagca tatcttctcc gattcctatt 120

cgtctctgca attgaatctt ccggtaggcg aaagatggcg acgtctgcga gggatttgtt 180

gcggnaggaa ggaaagttgc atgcgccggt tcgttgtgat cgtcgcacgt taaaatttga 240

attctcgatc gtcatgtgtt gttccagtga cgaatcgacg gaatatgtgt gcgatcggga 300

agatttcgat gtcgatgga 319

<210> 17014
<211> 309
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-055-Q1-E1-E4

<400> 17014

agtacagagg ctagagagaa tgggatggga ataagcttgt ttcgcaggtt atcagaagcc 60

catcctcagg caatttcagt gttacaaaac cagtaccgaa tgtgtcgagg tattatggaa 120

ctatcaaatg ccttgatata tggagacaga ttatgctgcg gttctgctga agtagctgat 180

gccacacttg tgctttctac ctccagttct acttcgccat ggcttaaaaa ggttctggag 240

ccaacaaaga acaatttgta tttgttaata cagatatgct gcgtgctttt gaagctaggg 300

atcagaatg 309

<210> 17015
<211> 303
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-055-Q1-E1-E8

<400> 17015

ggacctactg ctgaatcacg tggatcctta aatctgaata tccaatactg gacaagtcga 60

ggttgggcat ttgttgatgt caattatggt ggaagcacag gttatggtcg agagtatcga 120

gagcggttgt taaggcagtg gggaatagtc gacgttgatg actgttgtgg ctgtgctaaa 180

tacttggtat cttctggcaa ggcagatgtt aagcagctct gtatatctgg cggttctgca 240

agaagttaca caactccttg catcattggc gttcanggat gttttcaaag ctggagcgtc 300

ctt 303

<210> 17016
<211> 306
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-055-Q1-E1-F3

<400> 17016

taactcccaa aaaaaaaaat ggcggcgttt ttgcaaacga acatcagtct gaatgcgatc 60

aagatcgtcc cggggaaata cagttctctc accgatcatc agtttcgtgc gccgtatcga 120

attaggtgcg ccgccgcttc acctgggaaa aaacggtata acatcgctct gcttcccgga 180

gacggtatcg gtccagaagt tatctctgtt gctaagaatg tgcttcagaa agctggatct 240

ctcgaangac tggagtttga tttcaaggag atgcctgtcg gaggagcagc cttggatttg 300

gttgga 306

<210> 17017
<211> 276
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-055-Q1-E1-E3

<400> 17017

attggattcg ggggaacact tggaaatgag agaattttca ttgatgaaga ctttgctaaa 60

atcacagtcc gtcatcatgc agttgataaa acttaccagt caggctctct ttcccaaac 120

cagggttatt taccagtaga ggctttggtt ctangatatt gaagcatggg ggttaggtgg 180

aaacaaggct agggaaattc aacaacnata ccnagaannng nagaagnagc ctttttcact 240

aacccaacgt ccgaaagatc gactttgaaa acgttt 276

<210> 17018
<211> 297
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-055-Q1-E1-G4

<400> 17018

acagattcga tttgggtgtt tttggttttg gatttggtaa agcttctcgg tcacttgctc 60

ggtgattgaa actgaatcga ttgtgattgt gattgtgatt gtgattgtga ttgtgaggga 120

attatggctc aagccgtaga agagtggtac aagcagatgc cgattataac ccggncntan 180

cnnacggngg ctgtatncac aaccgtncgg gtgtccgccc naaattatac ctccttaaaa 240

accncnaacc taaatcctaa cccttgtggg tgaancaata acaattccgg ngtcctg 297

<210> 17019
<211> 259

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-055-Q1-E1-H5

<400> 17019

ggtcgcagtg gccaggcccg ggcgactgtt taccaaaaac acaggtctcc gcaaagtcgt 60

aagaccatgt atgggggctg acgcctgccc agtgccggaa ggttaaggaa gttggtgacc 120

tgatgacagg ggagccggcg accgaagccc cggtgaacgg cggccgtaac gataacggtc 180

ctaaggtagc gaaattcctt tgtcnggtta agtttccgac ccgcacgaaa aggcgtaacg 240

atctgggcac tgtctcgga 259

<210> 17020
<211> 304
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-055-Q1-E1-H8

<400> 17020

gaatatgttg tgactcgttg gtaccgagcc ccagagcttc tcctctgttg tgacaactat 60

ggaacatcca ttgatgtttg gtctgttggt cgcattttcg ccgagcttct tggtaggaaa 120

ccgatattcc aaggaacgga atgtcttaac cagctgaagc tcattgtcaa cattctcgga 180

agccaaagag aagaagatct tgagttcata gataacccga aagctaaaag atacattaga 240

tnacttccgt actcacctgg gatgtcttta tccagacttt acccgggcgc tcatgttttg 300

gcca 304

<210> 17021
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-055-Q1-E2-A1

<400> 17021

cagaggagtc tgagaaaatg gatgaagata gccgactgat tgaagaactc cgccagacta 60

atgaatatca aaggtctcag atatcacact tggagaaaag tcttaagcag gccatctcga 120

atcaggagga taacagattg agcaatgaca accaaatccg aaaattaaag gacacagttg 180

atgacctaaa tcaaaaactt acaaattgtt tgagaacaat cgagtccaag agtgttgaac 240

ttttaaatct tcaaactgct ctangccagt attacgctga aatcgaagct aaaggagcat 300

tttgaacgag agcttgcgat ggctaaagac gagttgatga aaccttctgc tcgtttgaaa 360

gaatctgaat aaccggttaa agtcntcaaa ttaa 394

<210> 17022
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-055-Q1-E2-A11

<400> 17022

tagtgatggc tccatcagat gaagcagatc tctttaacat ggttgcaact gctgttgcga 60

ttgatgatcg tccttcttgt ttccgttacc ctagaggtaa cggtattgga gttgcattac 120

ctcccggaaa caaaggtgtt ccaattgaga ttgggaaagg tagaatttta aaggaaggag 180

agagagttgc gttgttgggt tatggctcag cagttcagag ctgtttagga gcggctgtaa 240

tgctcgaaga acgcggatta aacgtaactg tagcggatgc acggttttgc aagccattgg 300

accgtgctct cattcgcagc ttaactaagt cgcacgaagt tccgatnaac ggttnaanaa 360

ggttccattg gaggttttgg ctcgcacgtt gttcagtt 398

<210> 17023
<211> 102
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-055-Q1-E2-A12

<400> 17023

tattagagtg tatatagttg gtttggttat ggtttagatt cgttagtatt ttgatttagt 60

ttacttgtat ttaagtttaa ttatatatca tttttacact ta 102

<210> 17024
<211> 395

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-055-Q1-E2-A5

<400> 17024

agacggaaga aaattcgaat catcagtgtt tgtttcctcc tctcttaaag cttagccctt 60

ctcaggtcat tgttcttcaa tggctttgag caacacaact actggggttg ataatacgtt 120

tagaaagaag tttgatgtgg aagagtttaa ggagcgtgct cgtgaacgcg aaaagaagga 180

atcggatcgg tctaaatctc ggtccaaagg tcctcctgtg caaagagccc ctttgaagca 240

tagagattat catgtagacc tagaatctcg tctgggcaag acacaagtcg ttacaccggg 300

tagcgcctct aagtcagcaa gctggttaat tctgtcgcgt tttgtgattg tgttgttaaa 360

agattccggc aaactacttg ggttacataa atngg 395

<210> 17025
<211> 271
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-055-Q1-E2-B1

<400> 17025

ttttgcctgc ccctatcggn ccaacccggg tcganccacg cgtccgccca cncgtccgcc 60

cacgcgtccg cccacgcgtc cgcccacgcg tccgtaggct gcgagaagac gacagaaggg 120

tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga agggtacggc 180

tgcgagaaga cgacagaagg gtacggctgc gagaaggacg acagaagggg acaaagnaag 240

nagacnnaan naaagangaa anaanaaaaa g 271

<210> 17026
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-055-Q1-E2-B4

<400> 17026

cagagcaaag ccagagatgg agccttaagg ccaagaccgt acttgtaacc ggtggaacaa 60

aaggcatcgg gcatgctata gtagaggaat ttgcgggatt tggagcagta atacacactt 120

gtgctagaaa cgaatatgag cttaacgagt gtttaagcaa atggcaaaag aagggttttc 180

aagtcactgg ttcggtctgt gacgcatctt tgagaccaga gagagaaaag ctaatgcgga 240

ctgtgtcttc aatgtttggt ggaaagctcg atatcctcat aaacaatttg ggagcgattc 300

ggtcaaaacc aacgctgggt tacacagcag aagatttctc gtttcatatt tcgacaaact 360

tagaatccgc ttatcatctg agccaacttg cgcaacctcc tgct 404

<210> 17027
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-055-Q1-E2-B5

<400> 17027

ctgtttagcc ggnccggtac cgnntccana aattcccggg tcnacccacg cgtccgccca 60

cgcgtccgta cggctgcgag aagacgacag aaggggatta caagcggatt gattatctct 120

gtagtcatct ctgtttcctc agtaaagtca tcaaggagaa gaatgtcaac gtgaaaggat 180

attttgcttg gtctcttggg gataattacg aattctgtaa cggatttacc gtcagattcg 240

gactaagtta cgttgatttc gcaaatatca ctggtgatag agacctcaaa gcatctggca 300

aatggttcca gaagttcata aacgttaccg acgaagactc tacgaaccaa gatctactcc 360

gctcaagcgt ctcctccaag aaccgtgatc ggaagagtct tgcagatgca tgaaatatcc 420

aatccactat atgtccacca agatcatctt catgtttcct ctttctactt gctccataga 480

taaggagc 488

<210> 17028
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-055-Q1-E2-C1

<400> 17028

cgaatgatta gttaaagaag aagaagagga gtcttgcgat agaagaagat ttttgcgata 60

tcttcataga aggaagatgg tcttatctca aggctctgca tctctctcct tttctcatcc 120

ataggtcatg cgtccatgag caattggcat aatacgtaat tgtcagatgg tatactacaa 180

ctgtggacaa gagtgtatgt ttttcagtgt ggcagtgttg gaaaaagaag caatgcgagg 240

aggcacacct cttcacttaa agagcaaaat cgatgagctg atcaagagtc tcttggattt 300

gtgcttctgt acttcttacg aagaagattt agagattgtg gaaaacaatt tgaaacattt 360

tgaaagagaa cccacttgag aaatactacc attgggattg tgaa 404

<210> 17029
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-055-Q1-E2-D10

<400> 17029

acaaacacaa aaatcaaaag gggtcattta ctatctttta agagacgaca tatatagttc 60

tcgaccaaga aaagaaaagg gggtgacctg agttcttcaa cacataacat aatggccgga 120

gttttcaaaa cggttacgtt tcntgttttg gttttcgctg ccgttgttgt cttcgcggag 180

gactacgatg ttggtgatga tacggaatgg acgagaccta tggaccccga gttctatact 240

acttgggcta ccggtaaaac tttccgtgta ngcgacgaac tcgaatttga tttcgctgcc 300

gggaagcatg atgtngcaat tgtatcaana aanctgcnat tngaaactng tnagnaaagg 360

aaaaacccat tancccacat gaaccgttcc tcccggtcaa aattat 406

<210> 17030
<211> 389
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-055-Q1-E2-D2

<400> 17030

gaaaaagaga tggaaggaaa aaagttttct tcaaaattta ttcatttgct cattgtgttt 60

ttgcttcttt gtacgtttct ttctcgtacc gaatctgctc ttccttatca ccatgaactg 120

ttcttgggga ggaagcggat gaattattat aagcccaaca gtgccatagg aacaccatca 180

tcagctagtg accacgctcc aggcagtaat gggaggaagt tgatgagtat atatagaccc 240

aatggagaca tatttacagg accatcaggc agtgggcatg gtgggggtcg cactccagcc 300

ccctagtata tatatattaa tgtgtaatca aggactcaca agcgaaactt ttaantctcg 360

atnacgtata acgtatgcgt tgggggtat 389

<210> 17031
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-055-Q1-E2-D5

<400> 17031

gccgaaaacg aataagaaga ttaattgagg agaaatcgaa gatgtctata gcgttagtgg 60

agaagattca agccaaattt tgaagaagtc tagtagattc tgtattgtaa gctactaaaa 120

tctgcgatgg tgaggcattt caatcgtcgc cggaaaattc atcggagata ttaaaattga 180

atcaagcttc gaattggtca accgatctat attgagtgat ccagaggacg aaaccgagat 240

gtatgtggtt tacgcaaaca gaaccgagga tgacattctt gtgagggaag agctagaagg 300

atgggctaag taagcataag gagaggctaa agatttggta cgtcgttgaa atcgcaaagg 360

aaggttggag ttacagtacc gggtttataa ctgaaactgt g 401

<210> 17032
<211> 369
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-055-Q1-E2-D8

<400> 17032

ggcaaagatt attggtggat gctgctcatg gcgacgcttt tacaggaaga gaacatcatc 60

tcgatttctg attttctctg ttcgagcctc tagttccatg gatgacatgg acaccgtcta 120

caagcaattg ggattgtttt cactaaagaa gaagattaaa gatgttgttc ttaaggctga 180

gatgtttgca ccggatgctc ttgagcttga agaagagcag tggataaagc aagaagaaac 240

aatgcgttac tttgatttat gggatgatcc cgctaaatct gatgaagatt cttctcaaat 300

tagctgatcg agctaaagca gtcgattccc tcaaagattt caaatacaag gctgaagaaa 360

ntaaactga 369

<210> 17033
<211> 301
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-054-Q1-E1-C9

<400> 17033

ggtcgcagtg accaggcccg ggcgactgtt taccaaaaac acaggtctcc gcaaagtcgt 60

aagaccatgt atgggggctg acgcctgccc agtgccggaa ggttaaggaa gttggtgacc 120

tgatgacagg ggagccggcg accgaagccc cggtgaacgg cggccgtaac aataacggtc 180

ctaaggtagc gaaattcctt gtcgggtaag ttccgacccg cacgaaaggc gtaacgatct 240

gggcactgtc tccganaaaa ggctcggtga antanacatg tctgtgaaga tgcggactac 300

c 301

<210> 17034
<211> 226
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-054-Q1-E1-D12

<400> 17034

tacggataaa ataatctcga cggaaggaca aagagttggt attaaaaaag ctttggtgtt 60

ttacatcgga aaagctccta aaggtactaa aaccaattgg atcatgcatg agtatcgtct 120

cattgaacct tctcgtagaa acggaagcac taaagtttgg atgaattggg ttctatgtcg 180

aatatacaag aagcaatcaa gtgcgcaaaa acaagtttac gataat 226

<210> 17035
<211> 303
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-054-Q1-E1-C6

<400> 17035

gagagataga aagagaaaga aatcgtcatg gctcatggga gatatgatac ttacaagaag 60

aaaagtggac agattcctcg gtttggagaa tgggaagaan caaatgagat gccaataaca 120

caatactttg agaatccaag acaagctggt ctgattcgtc accaatacac aacaannnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnaga anccttaaag 240

cttgcttctc acnatccccg tccacgtcac ctccacgctc anngacagac ggcggggacg 300

aag 303

<210> 17036
<211> 301
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-054-Q1-E1-D2

<400> 17036

acacaaacaa acatatagaa aaaganagag gaggataata atatggcgag caanaaagca 60

gctatggtta tgatggcgat gatcgtgata atggctatgt tggtcgatac atcagtagcg 120

atagatctct gcggcatgag ccaggatgag ttgaatgagt gcaaaccagc ggttagcaag 180

gagaatccga cgagcccatc acagccttgc tgcaccgctc tgcaacacgc tgattttgca 240

tgtctttgtg gttacaaaga actctccatg gctcggttct ttcggtgttg atcctgaact 300

c 301

<210> 17037
<211> 276
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-054-Q1-E1-D3

<400> 17037

gaaaaagaga tggaaagaaa aaagttttct tcaaaattta ttcatttgct cattgtgttt 60

ttgcttcttt gtacgtttct ttctcgtacc gaatctgctc ttccttatca ccatgaactg 120

ttcttgggga ggaagcggat gaattattat aagcccaaca gtgccatagg aacaccatca 180

tcaactagtg accacgctcc aggcagtaat gggaggaagt tgatgagtat atatagaccc 240

atggagacat atttacagga ccatcaggca gtgggc 276

<210> 17038
<211> 176
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-054-Q1-E1-D6

<400> 17038

ctcaacaatg gcgaaatcag tgtcgacggc ggcttcctcg cttgtgcaaa accttaggcg 60

gtacatcaag aagccatggc agatcaccgg accttgcgct cacccagaat acctcgaagc 120

tgttccaaag gcgacggagt atcgtctccg atgccccgct acgattgatg aagaag 176

<210> 17039
<211> 301
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-054-Q1-E1-D9

<400> 17039

acataaaagc ttaaaagaaa acaaaaagaa tggggagagc aagagaaata ggagaaggaa 60

actcatcgtc gttaagggaa caacgaaacc tcagagagaa ggatcgaagg atgcgcatga 120

aacatctctt ctctatactt tcttctcatg tttctcccac tcgcaagtta ccagtgcctc 180

accttataga tcaagcgaca tcatacatga tccaattgaa agagaatgta aattatttga 240

aagaagaaag aaaaaggaca ttgttacaag gagaactcgg gaatctctac gaagggtcgt 300

t 301

<210> 17040
<211> 302
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-054-Q1-E1-E12

<400> 17040

cactcactca atttggtttc ttgttttgct ctctagatct ctcttttctc tcttctttcc 60

atctccagca atgggagctt gtttaacact ctcgttctct tgtgatgaag ttgtgaatca 120

aatctctcaa ggtttatgca tcaacgtggg ttatgtttgc gagctctcca agaatgtagt 180

ggctatgaag aaagacatgg aagtgctgaa gaaaaagcga gatgatgtga aaaagaaagg 240

tanatatagа agagttcaca aggcgtcgtg aaaggctttc tcaagtccaa ggatggctta 300

cg 302

<210> 17041
<211> 291
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-054-Q1-E1-F10

<400> 17041

gactcgagac attaacgact tttaaaacta agggacgaac cttaagcaaa agctcttgca 60

ttactcaaat tcttctgcca cttggtttgc gatggacagt tctggagcag atctagatag 120

aattgaggca caaaggtcaa tgttagtttc tcatgatcaa cggaaagatt tctctcacag 180

cggaggagtt ggcaccacgt cacctacggg cgacaccgaa cctggtgcca aagttccgta 240

ctaaccttaa attgtcggat cttttcgctc tccctggtga agatgtcgag a 291

<210> 17042
<211> 300
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-054-Q1-E1-F2

<400> 17042

agccanaaat cacttcttan caaantggat tcgcataacc natcnatgga aatggctcca 60

gtgatcatgt ggcgagaaga caacangcct gaatcttatc gggaatactg gagacgcccg 120

tcaaggagtc ctaagaaaag tancgacttt gaaactgcta ctccatggga cttgctctca 180

gatgaangag aaggtccaga tgcatcctca tcantccctc naaatgatat cgcacgagtt 240

gattttggag cggtcgangt tgtccagtgc ctaattganc accacatgtg cgattttcac 300

<210> 17043
<211> 301
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-054-Q1-E1-F5

<400> 17043

gcaacaacaa caacaaccaa naaggagaga gcttctgctg aaatcggcgg tggcgattcc 60

ggcgattctg caattgaagg aagctccgat atcagcggcg cgtgaggtgg aagttggatc 120

gtacctacct ctgtctccgt ctgatccttc tttcgtcctg tttaaagcca aaccttcaga 180

tactcctgct ctccgcgcag gaaatgttca nccctatcag tttgttctac cgccgaattg 240

gaaacagttg cnaatagcca atattttgtc aggtaattac tgtcaaccga aatgtgcaga 300

g 301

<210> 17044
<211> 292
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-054-Q1-E1-G5

<400> 17044

ataggctacc aacatggatg aagatgccga tggaaagaaa gagcaaactg atgatggtgt 60

ttcagtggaa gatactgtaa tgaaggaaaa cgtggaatct aaagacaata actatgccaa 120

agatgatgaa aaagagacca aagagacaga tattactgag gcagaccaca aaaaagctgg 180

gaaggaggac atacaacatg aagctgacaa agcaaatgga acaaaagatg gcaatacagg 240

agacatcaaa gaggaaggga cactggtaga tgaagacaaa gggacagata tg 292

<210> 17045
<211> 304
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-054-Q1-E1-G7

<400> 17045

cgaagaagcg ttggaagcgt tcaagagagt gtcgcggtta gagggaatca ttccagcact 60

ggagacctca cacgcactag cttacctcga gaagctatgt cccacattat cagacgggac 120

gagagtggtc ttgaacttca gcggaagagg agataaagat gttcagacag tggctaaata 180

tcttgatgtt tgaagagaga aacacttatg tttgtttttc agttattcaa gacagaatga 240

aatccttttt ggtacttgta atctgtttgt actttacttc tctctggtca gtacgtttcc 300

aaca 304

<210> 17046
<211> 251
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-054-Q1-E1-H11

<400> 17046

cgatcaaagt cttgaatatt tcatctatat atacctaaga aagaaaagag ttaaagaagt 60

atattttcga ttcanagaaa gaaaaatgaa ttctcaccan aatcaaaccg gagtgcanaa 120

gaagggaata acggagaaaa tcatggnnaa gctaccangt catccatggg cctactaaca 180

ctgggtgttg ttcaccacga gangaaaggg atgacngaga aagttatggg agcaactggc 240

aagtccanaa g 251

<210> 17047
<211> 309
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-054-Q1-E1-H12

<400> 17047

gatgctacaa aagaaaaaag agatcggaga cgtgtactat agagtcgact atacttgagg 60

acgcattttc ttggaggaaa tatggacaaa aggagattct taatgccaaa ttcccaagaa 120

gttactttag atgcacacac aagtataccc aagggtgcaa ggcaacaaag caagtccaga 180

aggttgagct cgaacccaag atgttcagta tcacatacat aggaaaccac actgttacca 240

ccaacgcaga aactcccaag agcaagactt gtgaccatca tgatgagatc ttcatggatt 300

ccgaagatc 309

<210> 17048
<211> 300
<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB35-055-Q1-E1-A1

<400> 17048

cagaggagtc tgagaaaatg gatgaagata gccgactgat tgaagaactc cgccagacta 60

atgaatatca aaggtctcag atatcacact tggagaaaag tcttaagcag gccatctcga 120

atcaggagga taacagattg agcaatgaca accaaatccg aaaattaaag gacacagttg 180

atgacctaaa tcaaaaactt acaaattgtt tgagaacaat cgagtccaag agtgttgaac 240

ttttaaatct tcaaactgct ctaggccagt attacgctga aatcgaagct aaggagcatt 300

<210> 17049
<211> 293
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-055-Q1-E1-A5

<400> 17049

agacggaaga aaattcgaat catcagtgtt tgtttcctcc tctcttaaag cttagccctt 60

ctcaggtcat tgttcttcaa tggctttgag caacacaact actggggttg ataatacgtt 120

tagaaagaag tttgatgtgg aagagtttaa ggagcgtgct cgtgaacgcg aaaagaagga 180

atcggatcgg tctaaatctc ggtccaaagg tcctcctgtg caaaagagcc ccttttgaag 240

catagagatt atcatgtaga cctagaatct cgtctgggca agacacaggt cgt 293

<210> 17050
<211> 309
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-055-Q1-E1-B4

<400> 17050

cagagcaaag ccagagatgg agccttaagg ccaagaccgt acttgtaacc ggtggaacaa 60

aaggcatcgg gcatgctata gtagaggaat ttgcgggatt tggagcagta atacacactt 120

gtgctagaaa cgaatatgag cttaacgagt gtttaagcaa atggcaaaag aagggttttc 180

aagtcactgg ttcggtctgt gacgcatctt tgagaccaga gagagaaaag ctaatgcgga 240

ctgtgtcctc aatgntttgg tggaaagctc gatatcctca taaacaattt gggagcgatt 300

cggtcaaaa 309

<210> 17051
<211> 292
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-055-Q1-E1-B5

<400> 17051

tacaagcgga ttgattatct ctgtagtcat ctctgtttcc tcagtaaagt catcaaggag 60

aagaatgtca acgtgaaagg atattttgct tggtctcttg gggataatta cgaattctgt 120

aacggattta ccgtcagatt cggactaagt tacgttgatt tcgcaaatat cactggtgat 180

agagacctca aagcatctgg caaatggttc cagaagttca taaacgttac cgacgaagac 240

tcctacgaaa ccaagatcta ctccgctcaa gcgtctcctc caagaaccgt ga 292

<210> 17052
<211> 306
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-055-Q1-E1-C1

<400> 17052

cgaatgatta gttaaagaag aagaagagga gtcttgcgat agaagaagat ttttgcgata 60

tcttcataga aggaagatgg tcttatctca aggctctgca tctctctcct tttctcatcc 120

ataggtcatg cgtccatgag caattggcat aatacgtaat tgtcagatgg tatactacaa 180

ctgtggacaa gagtgtatgt ttttcagtgt ggcagtgttg gaaaaagaag caatgcgagg 240

aggcacacct cttcacttaa aagagcaaaa tcgatgagct gatcaagagt ctcttggatt 300

tgtgct 306

<210> 17053
<211> 297
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-055-Q1-E1-D2

<400> 17053

gaaaaagaga tggaaggaaa aaagttttct tcaaaattta ttcatttgct cattgtgttt 60

ttgcttcttt gtacgtttct ttctcgtacc gaatctgctc ttccttatca ccatgaactg 120

ttcttgggga ggaagcggat gaattattat aagcccaaca gtgccatagg aacaccatca 180

tcagctagtg accacgctcc aggcagtaat gggaggaagt tgatgagtat atatagaacc 240

aatgganaca tattttacan ggaccatcag gcantgggca tggtgggggt cgcactc 297

<210> 17054
<211> 300
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-055-Q1-E1-D5

<400> 17054

gccgaaaacg aataagaaga ttaattgagg agaaatcgaa gatgtctata gcgttagtgg 60

agaagattca agccaaattt tgaagaagtc tagtagattc tgtattgtaa gctactaaaa 120

tctgcgatgg tgaggcattt caatcgtcgc cggaaaattc atcggagata ttaaaattga 180

atcaagcttc gaattggtca accgatctat attgagtgat ccagaggacg aaaccgagat 240

gtatgtggtt tacgcaaaca gaaccgagga tgacattctt gtgagggaag agctagaagg 300

<210> 17055
<211> 281
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-055-Q1-E1-D8

<400> 17055

ggcaaagatt attggtggat gctgctcatg gcgacgcttt tacaggaaga gaacatcatc 60

tcgatttctg attttctctg ttcgagcctc tagttccatg gatgacatgg acaccgtcta 120

caagcaattg ggattgtttt cactaaagaa gaagattaaa gatgttgttc ttaaggctga 180

gatgtttgca ccggatgctc ttgagcttga agaagagcag tggataaagc aaggaagaac 240

caatgcgtta ctttgattta tgggatgatc ccgctaaatc t 281

<210> 17056
<211> 342
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-052-Q1-E1-A5

<400> 17056

agtcggaccc gagcacagtt tctttaaaga catgggacgg gctgaatact atagcataac 60

cgacgaagaa gcgttggaag cgttcaagag agtgtcgcgg ttagagggaa tcattccagc 120

actggagacc tcacacgcac tagcttacct cgagaagcta tgtcccacat tatcagacgg 180

gacgagagtg gtcttgaact tcagcggaag aggagataaa gatgttcaga cagtggctaa 240

atatcttgat gtttgaagag agaaacactt atgtttgttt ttcagttatt cagacagaat 300

gaaatccttt ttgtacttgt aatcngtttg tacttacttc cc 342

<210> 17057
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-052-Q1-E1-A6

<400> 17057

agaaaattaa aagataacaa acattttaac aannnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn tgttccattt 180

cggccacgct cgtgccatcg aacaagccaa aaaatcgttt ccgaatacgt atctgcttgt 240

tggatgttgc aatgacgaaa ttacgaacaa attcaagggg aaaactgtga tgactgaatc 300

tgagcgatac gaatctcttc gacattgcaa gtgggttgat gaagtgattc cagatgcacc 360

atgggttctt acaacagagt ttcttgataa gca 393

<210> 17058
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-052-Q1-E1-B1

<400> 17058

ggangagggg gatcaacaga aggcgagtga attgtancca ctatggcagt ctcctcactc 60

tcaatccgct gtggtggttt ctcaccaaca atctcccaca agacagaaat tctctgtcca 120

aatccatcac tcaaagcttg ttgtttactt tcatccggtg gtaaggccga ctcctcggag 180

agtacttacc aaaaaggcag cggnaacaat tggaagagaa ggcaagctct tgtgggagta 240

ggaactttag tggcaacttc aattccagca actttgcttc ttgctgaaga gataccaaaa 300

agctactcgc cttttgtgga tcgagaagac gggtattctt actattaccc atcannctgg 360

gagggaattt gncttcaggg cacatgattc ancttcaaa gatagatact tgcaactgna 420

g 421

<210> 17059
<211> 369
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-052-Q1-E1-B11

<400> 17059

tctcggcaag ggtagtttca cggttcacgg taaaccaaag tttgctgata aattggcaat 60

gttggcaggt ggaaccggaa taactccggt ttaccaaatt atccaagcca ttctcaagga 120

tccagaggat gagactgaaa tgtacgtcat ttatgctaac cggaccgagg aagatattct 180

cctaagggag gaactggatg gttgggcaga gcaatacccg gaccggttaa aggtttggta 240

cgtagtggaa tcagctaagg aaggttgggc atacagtacc gggtttattt ccgaggcgat 300

tatgcgagaa catatccctg atggattana tggctcaacc cttgccaagg ctttccggac 360

caacaaccg 369

<210> 17060
<211> 397
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-052-Q1-E1-A2

<400> 17060

gagattacca acaagagctc tctccaatcg tcgtctcttt gatatatggc gtctcagcct 60

gcaggtggca gtcctcctaa accttgggaa aaagaaggaa atacatctgg tcctaatcct 120

ttcaggcctc cttctaatac tagcacggct ggttcagttg aggcttctgg cacagctaat 180

cctggtgaag tagttcctcc gcccgtgaac aggcctaata cagctgctaa tatgaattca 240

ctcagtaggc ctgtaccggc tagaccttgg gaacagcaga attatgggag cactatgggg 300

ggaggttatg gttcaaatct angtatgacc tctgggtatg ggtcaggtac atatggttca 360

acattaagtg ggtatgggtc atcatatggt ggtggga 397

<210> 17061
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-052-Q1-E1-B2

<400> 17061

cacgacgtcg tcttcttctc actttgaaga cgttcttgat tcgtttcatc aagagatcga 60

caacagaaat ttccagtttt ctaacccaaa ccgcatctcg tcgctcagac cggacttaac 120

cgaacagaaa accgggttcc acggtcttgc ggatacttct aacttcgatt gggctagttt 180

tgccggtaat gttgagcata ataactcggt accggaactc ggaatgagtc atgttgttcc 240

taatctcgag tacaactgtg gctacctgaa gacggaggag gaagtcgaga gcagtcacgg 300

gtttaataac tcaggcgagt tagctcaaaa gggttatggt gttgactcgt ttgggtattc 360

ggggcaagtt ggtgggtttg ggtttaagtt atgatgaa 398

<210> 17062
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-052-Q1-E1-B4

<400> 17062

ctgtttagcc tncccgtacc cgtccaaaaa ttccangggt ccacccacgc gtccgcccac 60

gcgtccgtac ggctgcgaga agacgacaga anggtacggc tgcgagaaga cgacanaagg 120

gtacggctgc gagaagacga canaagggta cggctgcgag aagacgacat aagggtacgg 180

ctgcgagaag acgacanaag ggtacggctg cgagaagacg acanaagggt acggctgcga 240

gaagacgaca taagggtacg gctgcgagaa gacgacataa gggtacggct gcgagaagac 300

gacanaaggg tacggctgcg agaagacgac atanngatac ggctgcgaga agacgacaga 360

agggaaatat atataacttt gtttatttga ttaaaaaann nccnctctaa aagntnnaac 420

taacctanac anaaaaaag 439

<210> 17063
<211> 392
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-052-Q1-E1-B8

<400> 17063

gaagggaata actctagaga cagggacaaa agtactcact cagcaactgt tgttgacgat 60

ctaaagtatc gtttgatgga tactaccaaa gagtttaagg atgttcttac catgagaacc 120

gagaatatga aggtccatga aagtagaagg caactcttct cttcaaatgc ttcaaaagaa 180

tcaacaaacc cattcgttcg ccagcgtcct ttggctgcta aggctgctgc tagtgaatct 240

gttcctcttc catgggcaaa tgggtcttct tcatcttcat ctcagttagt cccatggaag 300

ccgggagagg gagaatcttc accattgttg cagcagagtn nnnnnnnnnn nnnnnnnnnn 360

nnnnnnnnna tggtcccatt gcaagacaca ta 392

<210> 17064
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-052-Q1-E1-C1

<400> 17064

gtggaaggtg tgatggtgga tgcttggtgg ggattggtgg agaaagatgg acctatgaat 60

tataactggg aaggctatgc cgagcttata cagatggttc aaaagcacgg tctcaaactc 120

caggtcgtta tgtcattcca tcaatgtgga ggaaacgtag gagactcttg cagtatcccc 180

ttgcctccat gggtgcttga agagatcagc aagaaccctg atcttgtcta cacagacaaa 240

tctgggagaa ggaaccctga atatatctcc ttgggatgtg attctgtgcc tgtcctaaga 300

ggaagaacac ctatccaggt ctactcagat ttcatgaaga gcttccgtga acgatttgaa 360

ggctacatan ganggagtta ttgcggaaat tcaagttagg a 401

<210> 17065
<211> 365
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-052-Q1-E1-C11

<400> 17065

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn ncgttggaaa tggctccacc ggaggctgag gtgggtgcgg 120

taatggtgat ggctcctcca acgccgggga caccgggaac accgggagga ccgttgatca 180

cggggatgag agtggattca atgtcgtttg atcatcggaa accaacgcct cgatgcaaat 240

gcttgccggt gatgggatca acttggggtc aacatgacac atgcttcacc gattttccct 300

ctcctgatgt ctccctcact cgcaagcttg gagccgagtt cgtgggaaca ttcatcntga 360

tattc 365

<210> 17066
<211> 317
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-052-Q1-E1-C5

<400> 17066

gggcctcaga aggaacttgg gcaacttggt gtttttgctg agctgcaagc gctcttccct 60

ggtctgcgca tttatgtaga tttgattgga cctgacgttc cacaacatat ggatggagaa 120

atgatctccc tttgcagata ttccccttgc atgggaaaag aatgtgaatg taaaaattca 180

agcaaaattc tcaattccgg gagcaaacct gctttggttt cggctgtgtc attacagctc 240

cgtagagggt tttaccatga tcgttacaat gacataacaa aggattcatt tcctccacac 300

atagtgattg ctccaaa 317

<210> 17067
<211> 392
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-052-Q1-E1-C7

<400> 17067

gtcgtcgatt caaaatccgt cgcttcgctt ccaacgttcg ccggcaatct aaacattttc 60

cgggatggag gaagagatgt cgaaccgtcg agtatcaaat cggactcgta aggtcgctac 120

gaagatggcg gcggctctta caagcaacga caatcgaact caggctgcta tagctaggct 180

agaggcttta gagaacgata atggtgctat tgaagtgata gatttgaacg atgatgaaga 240

agcttctctt gatgaagatg atgatctcgg ttacttacag aagaagcaac acaaaggatc 300

aaagcgtaaa actcgacaag cgaaagcttt agaagctcgt aaagctccta aatccttcct 360

tgagctattg caagangcaa atttggagtc tt 392

<210> 17068
<211> 372
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-052-Q1-E1-C9

<400> 17068

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aaggatcgtt ggagaatata acggagatgg catcgaatct cgattcgcct cagaaacttc 120

tcctcaaaaa agcagtcttc gttgaanaag acactttctc tagagcttct ctcgtctccg 180

agcaagcccg aacaatcaag gttcttgagc aaagagtaca nacactanaa agagaactag 240

atgctgccat tacagctgct gctcatgctc ggtctganaa acgccaagct gantcctctc 300

aaaaggctgc tgaatcacgt gcccaagatg tcacaaaaga gcttgaaaac accacaaagg 360

gtttcaanct gc 372

<210> 17069
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-052-Q1-E1-D1

<400> 17069

ctgttacgcc ntccgtacgc ntccgaaaat tcccanggtc nacccacgcg tccgcccacg 60

cgtccgtacg gctgcgnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn ccttttgaga tatggacagc ttctggcaat taggtgatga gctacgaggt 180

cagacgagag catcagagga tcacaaatgg taaactgttg caaagaagct tttcgaattg 240

gaatctaatc atgctggcta ttacatgtta atgtcgaatg tgtatggggt taagggagaa 300

tgggagaatg tggagaagtt gagaaattcg gtgaagcaga gaggaattaa gaaaggactg 360

gcagagagtt tgattgagat tagaagaaaa gtacatagat ttgtggcgga tgatgaattg 420

catcctgaga aagaaccggt ttatggattg ctgaaagagc tggacttgca tatgaaagaa 480

gat 483

<210> 17070
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-052-Q1-E1-D10

<400> 17070

ccaaaaaaat aaaagatttt tacattcgac gagaccgtga tcgaaacggc gatggttgac 60

cagagtcctc gccgtgttgt cgtggcggcg ctcctattgt ttgtggttct gtgcgatctt 120

tcgaattctg cgggagctgc gaattctgtg tcagctttcg ttcagaacgc catcttgtcc 180

aacaagattg tcatcttctc caaatcctac tgcccgtatt gtttgcggtc gaaacgtata 240

ttcagccaac ttaaggaaga gccatttgtt gtggagcttg atcagagaga ggacggagat 300

caaatccagt atgagctttt agaattcgtt ggtcgtcgta ctgtcccgca agtttttgtt 360

aacggcaagc ataatggggg ntcaaa 386

<210> 17071
<211> 389
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-052-Q1-E1-D12

<400> 17071

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cttatcgtaa gctagctatg aaatggcatc cggatagata tgctcgaaat cctggagtcg 120

ccggagaagc taaacgtcgg tttcaacaaa tccaggaagc ctattctgtt ttgaatgatg 180

agaataagag gtcaatgtac gatgttggac tatatgatcc tcatgaagat gatgacgatg 240

acttctgtga tttcatgcaa gagatgatcc caatgatgaa caatgtcaaa gacgcgggag 300

agagcttgga agacttgcaa cgaatgttca cggatatggt tggtggagat ggcgtgagct 360

atgactgtna taataatcca caggggngg 389

<210> 17072
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-052-Q1-E1-D2

<400> 17072

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atactagctg agattgatgc tggtggtcct tctgctatga tgaagtactg gaatgataaa 120

gatgtgttgg caaagctggg tgaagcaatg ggtatagctg ttggagcana ccagactgtt 180

gcagctgaac ctgaagaggc cgaanaaggg gaagaggaag agtctattgt tcaccagacc 240

gctagtcttg gtgatgtcga gggtttgaaa gctgccttgg catctggtgg gaacaaagat 300

gaagaanact ctgaangaag gactgctttg cattttgcat gtggatacgg cnaagtnaaa 360

cttcccaagt tcttctggat tctggacaaa tgcaa 395

<210> 17073
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-050-Q1-E1-C3

<400> 17073

gggctgcgag aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg 60

cgaagaagac gacagaaggg gtacgggctg cgaagaaaga cgacagaagg ggtacgggct 120

gcgaagaaga cgacagaagg ggtacggctg ccgaagaaga cgacaagaag gggcggggga 180

agaagccgaa ggggttgttg ctcaaatggg gctgatcctt gaaatccaaa aatcaaagaa 240

agccatccga aagcttgccc cttgttagac tgcaatttca atgggttgga agaagatctg 300

gacccttgct ccattgggaa gttccttatg tcaaaagcaa accnacgaan ggcaaancgt 360

tnagggattc nggggtttgg gaaaacacgg gtttgggtga agccgttgtt ctc 413

<210> 17074
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-050-Q1-E1-D10

<400> 17074

cggacgcgtg ggcggacgcg tgggaagacg anagaagggg gaagaagcag agattcaaac 60

attcctctgc agattantga aagcaaatcg gaagaagcag cgaatcagct tcagatggga 120

gattcaacat ttctcgatag aatgcttctc cagcttcgct ccacttgcaa gtattacagc 180

ggttacccta aggatctcgg gccatcgcgg gttctccatt ttacatcaga aagagagttt 240

gtccaactcc ttcaccaggg ctatcctgtg gttgtcgcat tcaccataag gagtaactac 300

acacaacatc ttgaccggat gcttgaggaa gctgctgctg agttctatcc caacataaca 360

atttatgcgt gttgagtgtt tcaagtatcc cggattctgc ntaacttcgc angaaaaatg 420

gga 423

<210> 17075
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-050-Q1-E1-D3

<400> 17075

acgccngccn gtacggtccn annattcncg ggtcgatcca cnacncntcc gcnnagaaga 60

cnacagaagg gggccttcga aagcgccttt ctgatttctc cganagcgta ctccatgatt 120

gattggttgt tttcaggtat ctgatctctc ttttatttcc tccttcagct tctcatccat 180

tacaaaagac cagcatgtcg aagatcactt aagaaagaaa acgaagacta atggctttga 240

gaaaagtctt gatcaaggtc caagttttgg atgagaagct gaaggaggaa ataaacagag 300

agatcagatg caaacaaagg atcacgcaag ccaatcacgc cgaagccggg aaagcaaaag 360

tcaagatgat aaaaaccact gtttgtcaaa gaagaagggc aagttaagga naccctggga 420

agaagccgan ggaacaaaaa acccaaagac aagaagcctg nccaaaggct aagcattcag 480

tgttggtacc gaagtggtaa t 501

<210> 17076
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-050-Q1-E1-C2

<400> 17076

ggaggctctg catccgccat gaaagctgtt gggatttttg cttctgctta ccattctaac 60

attagcttat gcgaagaagt caggtgatgt gacaagagtt gcangattgg tgttaagtac 120

aaagcctcaa gaaatgtgat ctccaaggct cacaaaaggg gggataaaga tcannggttc 180

actatcgggg gaaaagttaa actggatggg aactggtctt tgattcaagg tttttganga 240

agaaggttga cccctaaatt gaagttttga gcttgggaaa ctggtcaaag ttcgtcccca 300

aaggaattng gggaaccaag ggggtttaat tggggaagct tngtgttaag ggtgaagaaa 360

aganaaaaag ttngaaaaat tcccaatccc aaagnctttg ggttaatggg tgaatnaa 418

<210> 17077
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-050-Q1-E1-E10

<400> 17077

aggaagaaaa ctttggcaga gagcgaagca tcacacatat tttggcctct ccttcacgat 60

attcgaagaa gtctcctcct ccttctccaa cgaatcccag atcaggcggc aagtaggcga 120

atccttacga agaattctaa cttcatcatc aacgatagat actctagttt gattttcaaa 180

gtagtagtgt aaaggaatca gaaatggcgg tgggagagaa ggagcacgaa ggaactgtgg 240

ttgaaagcgg cggcgagaag aatgattccg ccgttgtact ctctgcttcc ggcgagaaga 300

agacgacgaa gcgtaaaggt ttgttctcgc gtctttggaa tgcgatattt agggttagag 360

gtgatgattt cgaagaagag acttaaaaat atcccaaagg ganaa 405

<210> 17078
<211> 389
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-050-Q1-E1-E12

<400> 17078

caccgttccc atctcttcgt cttctcccgt ttccatctcc ttctgctgct ctcgggatcc 60

ttctggatga ttcaacagtg ccaggcattt ggtttcatgg ttatatcttt ctctcaatct 120

aacatagctg ttgcattgat aacagagttc tgtcctgttg ccacatactt cctgatgctc 180

ggcaagatca accgcaggca atggaaactc acagaactcg catgttacaa tcctcttggg 240

gcaaatttct cctttatgac tatcgaaaat ctcacgttct atggtctctt tgcacatcga 300

gcatgctatc ggagcatgtg tgttcaagta gtgttcctca gcatgctttt tgggtaccat 360

ancanccaca natctctaaa atccaaacc 389

<210> 17079
<211> 373
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-050-Q1-E1-G12

<400> 17079

accaaaaaaa aaaggagaag aagaccatcg ttgttctccg atggctatta acagaattgc 60

tcatggttct ctgtttctga cggtagtctt gttctttctg acggttaatt acggcgaagc 120

tatatggttg acgattccga cgacgggtgg aacgaagtgt gtctccgagg agatacagag 180

caacgtcgtc gttttggctg attactatgt cgtcgatgag cataatcctg aaaatacacc 240

tgctgtttct tctaaggtaa catctccgta tgggaacaat cttcatcacc aagaaaatgt 300

aacacatggt cagtttgcat tcacaactca agaagctggg aactacttgg cttgtttctg 360

ggattgaatc cca 373

<210> 17080
<211> 390
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-050-Q1-E1-H12

<400> 17080

gacgaaaaga aaggggaaaa aaaaaaggaa ggaaaaaagt gaaaaccgtc ggcttgagaa 60

ggaactttga tatttggtga ctcttgaaaa aagcaagctc tttcttcttc cttctttcgc 120

ttttttcaca cctcaaaatc aaagatccga aacacgattt cggaggaagc ttcgattcta 180

cctattttca gatctgaaat agttgtgttt gagaagcggg attggtgatc ggagctggaa 240

tttggttggt aatcggaggt cagagagaag tcaacggata tgccggagga agaatcgata 300

gatatcaaat tcaggttgta cgatggctcc cgatatcggg ccttttcggt attctgcngg 360

ctttcnaact gttgactttt tgaaancaaa 390

<210> 17081
<211> 312
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-051-Q1-E1-B9

<400> 17081

cgacggcaaa agttgaaaat aaaacaataa acagtcgaaa ttctccggcg aagatgagaa 60

ccggaaaagg aaatcaagag gaagaagatt acggagaaga agactttaac tctaaacgtg 120

aaggtccttc ttccaacact actgttcata gcaacagaga ttcaaaggaa aatgataaag 180

ctagtgcgat acgttctaaa cattcggtca ctgagcaacg tagaagaagc aaaatcaatg 240

aaaaganttc aagattattg agagactaat tcccaacagt gaacaaaaac gttgacactg 300

cttcattcct tt 312

<210> 17082
<211> 293
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-051-Q1-E1-C7

<400> 17082

tagnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nngccattca cggcgatcct ctcaccaata aattgaagac cagaactccg 120

gtcccctccg tctccggcaa acgtcagaga aagctccttc gcaaatggcg cagagagcag 180

aaagatatgg tggagaaggg tcttgttact atggaagatg tggagatggc ttctgctcaa 240

gctgcatcag aagactccaa gaaatccccc agaaaattta gcgttaagaa gag 293

<210> 17083
<211> 307
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-051-Q1-E1-C9

<400> 17083

tccnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnna 60

gttccattga cggagacata ctcgagtcaa tcctctccta tttaccactc ctagacctcg 120

attccgcttg ccaagtctcc aaatcatgga accgcgccgt cttttactcc ctccgccgcc 180

ttaaaaccat gccgtggttg ttcgtctaca accaagagaa attctccgcc gtacaaccat 240

ggcgaacgat ggcgatggct tatgattccc aagttccgaa ggccttggat tcgagctcaa 300

caccggc 307

<210> 17084
<211> 314

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-051-Q1-E1-D8

<400> 17084

atcgaagaga ggcananaga gcgatgatga ttcgaacggc gttagtgttc gttgtcttct 60

tcgtcggaac agtcgtacaa gcgcagctga tacctccggc gaggcgtgat ggatttttgt 120

atccaccggg tcagaaaatc gaccgggata cgatacttat ngaggccgtn tattggaccc 180

ggtttgtccc ggattgtaaa gacncttngg aancgntaaa agctagcnat tgatnactaa 240

tggntctcgc gnttgctctt tgttncntca accgtcattt cntttaccct tccatnagca 300

attgccattt tggt 314

<210> 17085
<211> 284
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-051-Q1-E1-E10

<400> 17085

gagccaacga gaagagaaaa agtatcttcc tttgagaagt gcaagtccat ggcagctctc 60

tgttgttgtc ccaccaccat catcgtctcc gggaaggttt cttcacggat taaaaccgca 120

ggcccattac cccgaatcaa ccctttttaag aatcagaaac gattgattac agagagaaga 180

aacttgatcg ttaaatcgat cattgaagac agagaancaa tcgatgttaa aaacgacaat 240

ttcaangcaa gaggaagaac tatcagaaga tanagtagaa gata 284

<210> 17086
<211> 307
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-051-Q1-E1-F10

<400> 17086

aggagaaaag gtagtgccaa tattagccgg cgattcagat ggagacggtg gtcgataaag 60

atgttctgaa gtcttccggg gctgagcttc ttcccgacgg acgtcgangt ttacgcatcc 120

atgactggga gatcgaaacc ctccgcggca cgattctcac ttctctcgct gtcgaagagt 180

gggaaaaaaa gcttaagaca tctcacttac ctgaaatggt ttttggcgag aatgcattag 240

tccttaaaca cttggggtag caacactaag attcatttta atgcgtttga cgcactanct 300

ggttggg 307

<210> 17087
<211> 266
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-051-Q1-E1-F2

<400> 17087

ggtcgcagtg accaggcccg ggcgactgtt taccaaaaac acaggtctcc gcaaagtcgt 60

aagaccatgt atgggggctg acgcctgccc agtgccggaa ggttaaggaa gttggtggcc 120

tgatgacagg ggagccggcg accgaagccc cggtgaacgg cggccgtaac tataacggtc 180

ctaaggtagc gaaattcctt gtcgggtaag ttccgacccg cacgaaaggc gtaacgatct 240

gggcactgtc tcggagagag gctcgg 266

<210> 17088
<211> 252
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-051-Q1-E1-F5

<400> 17088

aacaaagaga ttagaaacta cggagagaaa gagagaagat atatagccat ggcaatgaag 60

tcagtttcta ccttggccgt ttttgccatc ctctttttgg ttatcgttga aatgccagag 120

ataaaagcgc anggtancaa gtgtctgaaa gaatatggcg gtaatgtggg tttcagctat 180

tgtgcgccta ggatatttcc gtcattctgt tatcgggaac tgccgtaaga ataagggcgc 240

gaaggggagt ag 252

<210> 17089
<211> 309

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-051-Q1-E1-H4

<400> 17089

agcaagatgt tgtttagttt gacaagtcct cgacttnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnga ggactcaatg gactcagctc 120

agccctggaa aatcgatttc tttgagaaga agagtcttct tgttgcctgc taaagccaca 180

acagagcaat caggtccagt aggaggagac aacgtcgata gcaatgtttt gccctattgt 240

agcatcaaca aaggctgaga agaaaacaat tggtgaaatg gaacaagagt ttctccaagc 300

gttgcaatc 309

<210> 17090
<211> 307
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-051-Q1-E1-H5

<400> 17090

gacgaagcga aacaaaagta ctctaaggga gagaagtatc aaaattctca tcggaaaaag 60

acagatctac aaattttgag agacaagcca tgactaaggt gaaagatgag ccacgcgctt 120

ccgttgaagg tggatgtggt gttgccgacg gtgacggcgg cgcgggctga aatcgggcgg 180

taccggatct gttgaagaaa tcgattaacg aagttaggtc cacgggagat tcanaccgct 240

gagccaacgg ttcctccaaa atcaacttac tatttttctt tgggtggaag ntgttactgt 300

gtttgat 307

<210> 17091
<211> 352
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-052-Q1-E1-A12

<400> 17091

agaggaaagt tgctacttcc ttgaaattaa tcaatgacac acttgatgat ttgattgcaa 60

catgcaagag aatggtagaa gaagaggagt tgcagtttca cgaggagtat atgaacgaaa 120

gagatcctag catccttcac tttcttttag cttcaggaga tgatgtctct agtaagcagc 180

ttcgtgatga cttgatgaca atgcttatag ccggacatga aacatcggcg gcagtattaa 240

catggacctt ttacctttta acaacggaac caagtgtagt tgccaaactt caagaagagg 300

ttgattctgt aattggagat agattcccaa ccatacaaga tatgaaaaan ct 352

<210> 17092
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-049-Q1-E1-B12

<400> 17092

ntgttagcct gccgtaccgn tccgaaaact cccggggtcg acacacgcgt ccgcccacgc 60

gtccgcccac gcgtccgtac ggctgcgaga agacgacaga aggggaagac aaatcgaatc 120

agaggtcagc aacaactgaa acttcgattg gagatagcat tctattgatc gtagctctct 180

gttttcactc tgtcttcgaa ggcatagcta ttggtatttc agagactaaa tcaagatgct 240

tggagagctc tctggacaat aacactccat aagatatttg cagcgattgc aatggggata 300

gctcttctcc gtatgatccc tgaccgtcct ttattctcct caatcactta ttctttcgca 360

ttcgccatct cgagcccaat tggtgttgcc atcgggatag tcatcgatgc aacgactcaa 420

gggtccatcc gcngattgga tattcgcaat tgtccaataa ncntgggcgt gtgggggaaa 480

ttgtgtatgg gtcc 494

<210> 17093
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-049-Q1-E1-C1

<400> 17093

ggagaaacct ctcccacaga cgcaaaagcg tctggtttct ccagctcaat cttttcctcc 60

aaagaggcag agatttgagc aggacgagag tgttgagaag ctaccagatg ctctgcttct 120

tctggagtca ccgacactcg ctcaggtgac tggcggagaa catgcttccg ttgttgcagc 180

tgcaatggct gananttgca ttaaggaaga gagacttgag tgggaatgct tcntctcttc 240

ctccgtcctc ccaagctacc aaganggaaa ttttgcctca ttcaaaagaa ataatccctg 300

aaaacttttn ggggtaatgt tgcntggtgc ctcctcaanc tcaaggggaa nggagcaatn 360

tttgccnaca aanggantna tgaaccangg cnttttttgtg aaaaaaacgg.gan 413

<210> 17094
<211> 397
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-049-Q1-E1-C12

<400> 17094

tgaagcagta agcactcaac caaaaaacca attgcgtaaa cactttccct tgaatacaga 60

gatcacattc gatcagcgag ctgatttctc acaagggata tcaaaatttc tggtgaagtg 120

ggattgtaaa attcggcgtt gaaagatata taaagagtgg aaggttctgg agtcgtttca 180

attcatggat gatggtactc ctaagaagct aaacatatta cctgatcact ttagtgctcc 240

tagtcccaca gcagaatctt ctcagcacga tactccatca tcttcgcagc caaaggacga 300

tagttctctg agagtaggcc ttatagccag tcacggactc gcagaaacct gaaaagagca 360

acaactatgt tgaatttgtt cacaccctng gcctctg 397

<210> 17095
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-049-Q1-E1-A5

<400> 17095

ttctgaaatt aagtgaatct gaagtggaaa gcaaagccgg aggaagaaat aagaatcaca 60

gaggtaaaat tgtgatggag ctcgaagatc caacaatggc agattccacg attaagctaa 120

cagtcaaatt cggaggcaaa tcaataccac tttcggtatc accagattgt acagtcaaag 180

atcttaagtc tcagttacaa ccaatcacca acgttcttcc tcgtggccag aagctcatct 240

tcaaaggttt tggttgaaac gtcgactttg aaacaatctg atgtgggaag tggagctaaa 300

ctcatgttaa tggcttctca aggtctgcat caaggggaag gtccaatact taangaagct 360

agtataaggg caatcctcta gaactgttgt atctggat 398

<210> 17096
<211> 388
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-049-Q1-E1-C3

<400> 17096

acaaaaacaa catctgaaaa aaatcatgaa tccagcagat tccgannnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

ggtgccgatt ggggacctct ccctctgaaa actcaaattg aagatccaaa cgctcaacct 180

caacctagtc aagaggattt tgatgctttt acttcaacaa aagttgcgga tctagctaaa 240

ccgttgaagg agttagggtt tccttataag atccatatag tgaaagatca tgatatgaag 300

agagagatta tgtcctgaag attgagaagg cttggtccta gtgctgtgat tatgggaant 360

tacanggttt gggtgctgag aaaaaaaa 388

<210> 17097
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-049-Q1-E1-C4

<400> 17097

gaggtttagg cttaaagaaa caaattgttg gaatctcaat tctcgaatct gacatctcgg 60

agaagagata tggcgacaga gtcatcggaa tcggaagaag aaggaaagat tagtggagga 120

aactataagc taatcataga cgacgatcta agagagatgg gtaaaaacgc agcttggagc 180

gttagctctt gtaagcccgg caatggcgtc accactctcc gcgacgacaa tctcgagact 240

tattggcaat cagatgggtt acaaccacat ttgattaaca ttcaattcca gaagaaagtg 300

aaaactgcag ttagtggttt tgtacgttga ctttaagctt gatgagagct atacaccaag 360

taaaatctcc aatccgagct gggtgatggg tttcataacc ttaaaggaga attaaaaggt 420

g 421

<210> 17098
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-049-Q1-E1-C9

<400> 17098

aagaaaccaa agcgaaatca aaaagctcag caattttcca gatttctcta attgacgatg 60

gcgctttgtg ctactactca aaggactatc cgtatagcgg cgacgctccg gcgtgttgct 120

cgacctttcg ctactgacgc ggtggttgag tcggattaca agcgtggtga gatcggtaag 180

gtctccggaa tcccagagga gcatctttct cgcaaggtga taatatactc acctgctaga 240

acagctaccc agtcaggatc tggaaaactc ggaaaatgga agattaactt cgtctccacc 300

ttaaagtagg agaatccgtt gatgggatgg acttctacag gtgaccccta tgctaatgtt 360

ggggactctg ctcctgcctt tgagtcncaa aaaaangcgc aaatctcttt ggcgg 415

<210> 17099
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-049-Q1-E1-D9

<400> 17099

atttctctct gcctctcttt ctctcttcat atttcccggt gcttcgtcga cgttaggtct 60

tttccgttga cggaggcaga tttcttcgat tctctttaaa ccggcggtcc atgtggtctt 120

accgacgaga aaaccctaat ttcagggatt agatagcttt ttgaaacaaa ttagagcaat 180

gaacacagag agagctcaag aaggtgatag gaacgatgcc gcatcttcct ctggctgctc 240

cgagtcctac gagtttagcc acgcagccgc taaagctgca gtagctcang tctgcgagag 300

cgttgggtac gaagaatttc aaggatccag ctctcgaatc tctatctgga ttcgcactcc 360

agtacantct tcagctangt aaaaccgcta attcccttgc gaaacnaaaa ggg 413

<210> 17100
<211> 308
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-049-Q1-E1-F1

<400> 17100

ctcacactct ctcttatctc ctttcctttc attgtagtta acgaaaagat tacgataatg 60

gcaacatcag ctatccaagc aatcctcctt cgccggccaa acggctctca agccctccaa 120

cgaactcctc cgcaaggttg gtgtatccgg tggtggccgt gtgaccatgc gtcgtaccgt 180

caagtctact cctcaaagca tctggtacgg nccaagaccg tcccaagtac ttagggncca 240

ttctccggng aaatacaccg tcctacctaa ccggagaata acccgngnga ctaagggtgg 300

gaaaccnc 308

<210> 17101
<211> 377
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-049-Q1-E1-F10

<400> 17101

tcagccggcg atcagagtca aacgaacgat taccagttaa agataaagaa aagcaaaagc 60

gttccaaacg cggatcgtgc ggcgtcaaga agctggagtt tcagcgatcc agaatcgcgg 120

aggaagagaa gagtcgctgg ctacaaagtt tattccgttg aacagaagat ggagggatcc 180

attcgaaaga gcttcaaatg gttcaaagac attatcggta tttcttgata taccttctct 240

caactttctt aaaatctctt ctttgtgctg tgagagttaa atatatctgt aacgaacaaa 300

aaattgatag tattttcttt ctcttgcaac tatatgtaga agaagagtct ttgaactttg 360

aatgaggaca ngataat 377

<210> 17102
<211> 52
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-049-Q1-E1-G4

<400> 17102

ctgtttacgc ctgcccgtac cggcccaaaa ttcccgaggt cnacccacgc gt 52

<210> 17103
<211> 310
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-049-Q1-E1-G9

<400> 17103

tctggagtag tttctcgagc catgaccgca aagaacgctg tgttgcaatt gagtattcac 60

gaggagagaa ccaggaagaa agcgcttgtc accgtttttc gattttcagg agttacttcg 120

ataacaatgg acaaaagtgg gaaaatgaca atagttggag aagttgatgt accaagctgt 180

cgtgatgaag ctaagggaag ctatgtaaca cagagatcgt ttcaagtcga tgatgttaaa 240

ccacctgtta aaaagcctgn acctgagaaa cangctgaaa ccattgcana gcccgttccg 300

agagnaactt 310

<210> 17104
<211> 246
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-049-Q1-E1-H9

<400> 17104

gacctgaaat ctctaaggaa gaagaaagaa tgaacgtaga cgaagagatt canaaactgg 60

aagaagagat ccatcgtctt ggttctcgtc agaccgatgg ctcttacaag gtgacgtttg 120

gagtgttgtt caatgacgat cgatgtgcca acatctttga agcattggtt gggactctga 180

gagctgccaa gaaacgcann ataatcncat tttaaangng nanttttttcc ctccnagggt 240

tttcca 246

<210> 17105

<211> 248
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-050-Q1-E1-A1

<400> 17105

ccatttcttg gcttacaaca acaaatctta aacgttttac tttgtgctgc actactcaac 60

ctcaatggcc gcctcaacaa tggctctctc ctcccctgcc ttcgccggta aggccgtcaa 120

gctttccccc gcggcatctg aagtccttgg nagcggccgt gtgacaatna tgaanactgt 180

tgccaancca aangggccca atcaaggcag cccatnggta cggatncgaa ccgtgttaag 240

tactttgg 248

<210> 17106
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-050-Q1-E1-A3

<400> 17106

ngggataatc agtgacgtan agatcgaaga cgatgatgac tctgcatccg ccatgaaagc 60

tgttggattt ttgcttctgc ttaccattct aacattagct tatgcgaaga agtcaggtga 120

tgtgacagag ttgcagattg gtgttaagta caagcctcag aaatgtgatc tccaggctca 180

caaaggggat aagatcaagg ttcactatcg gggaaagtta actgatggaa ctgtctttga 240

ttcaaagttt tgagagangt gaccctantg agtttgagcc ttggaactgg tcaagtcatc 300

ccaaggatgg gaacaagggt taattgggaa gcttgtgtta ggtgagaaga gaaaagttga 360

aaatcccatc caanncttgg ntatggtgat aacggntcac caccaaaaat ccccgg 416

<210> 17107
<211> 390
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-050-Q1-E1-B11

<400> 17107

tcacttgaaa tgtctacatg ctcacaatat aaaaggtgtt ccgaaatctg aatggcattg 60

ctcaagatgt gtgcaattat acaatggcaa gtcttttcct cctaaatacg gccgtgtcat 120

gagaagcgcc actacagcaa aaatgtcttc tagtacagcc gaagttcaat tacccgcaga 180

gaaggggtt ggtaaaatgg atcaaaaggt tagtcaagag ggaatgccac atctcgagac 240

agcaaaacca actaaggatt cagctatgga acaaacagtt gaagctgaag atgtagctat 300

gaatccaata gttgaaaaag ctatgagtga aatggtggaa gctgaaggtg cagctattaa 360

tccaatagtt gaanctgaaa atggggctct 390

<210> 17108
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-050-Q1-E1-B3

<400> 17108

cgagaaaccg acagaanggg cttgttttcg gggggcattt cctgctacaa cggcacccgc 60

caagtatcat gtgggacagc tcatgttgtg gccttatcag aggaaggcct tcttcaagct 120

tggggctata atgaacaagg ccaacttggt agaggagtca cttgtgaagg actacaagca 180

cctcgtgtga taaatgctta tgcgaagttc cttgatgaag cacccgagct tgtgaagatt 240

atgcaacttt catgtggaga ataccatact gctgctcttt ctgatgcaag cgaagtttac 300

acttggggat taggaagcat gggtcaactt gggcatgttt ctcttcaatc cggggataag 360

gagttaatac caaggagaat cnttggtctc cnatggtgtg tccatgaaaa gaant 415

<210> 17109
<211> 372
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-050-Q1-E1-C10

<400> 17109

aaccaaaaaa aaacacctcc gatctcggcg agagaaagag aaacgatctg tgagagagaa 60

tggatcagat cttgaacaag gtangctcgt actggttagg taagaaggcg aacaagcagc 120

tcgattccgt cggtgacgat atcaactctt tgtcttcgag catcgaagga ggaacaaaat 180

ggttggtgaa caaaatcaaa ggaaaaatgc agaagccatt gcccgagtta ctaaaggagt 240

ttggtttgcc tgtggggatc tttccacgtg atgcaaccaa ctacgagttc aatgaacaag 300

acgangaagt taactgtctt tattccatca atctgcgaaa gttggttaca aagatacatc 360

agtcttgnga tt 372

<210> 17110
<211> 80
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-050-Q1-E1-C12

<400> 17110

cgcgcccctn tancgggcgc attaancncc ggcggggtgt tgggggttac accncancgt 60

tacccgctaa aaatttccaa 80

<210> 17111
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-046-Q1-E1-E2

<400> 17111

gaagagatcg agagaagaat agtttgatca tcttgtgaga aaaataatgg gctgcttcag 60

tgatgctatc ttcggtgaca ttgaaaccaa gctggtttca cggtgganaa nacggcggct 120

anaggattac cgtcgctcac aagagctcgt ccctccttca aaattgtcgc cagtggcgtc 180

aagaagatna agaccgacaa acccttcgga attaacnggc agcatggact ttnggggacg 240

gcgtcnacgc ctccnggcaa aaaaggcaaa ggaatacggt gtttacaagt nacttcgaca 300

antntgganc cnaacctnca anggattcan tcctaattac aaccaagaac caattggtca 360

accaattgtt aacctttcn aagggaagga ntcccccgaa tttgnaaaat ttgggccngg 420

taaccccccc cggaattcct ngccggaagt 450

<210> 17112
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-046-Q1-E1-E3

<400> 17112

tggtccctgg ccgtnccggt ccggattcan gggtcgacca cgcgtccgcc cacgcgtccg 60

cccacgcgtc cgcccacgcg tccgtacggc tgcgaaaaga cgacagaagg ggttcacaga 120

gatttgaaac cggaaaaaca ttcttatggc cacaatgtct tcttcgtctc ctatcaaatt 180

ggctgatttt ggactggcaa cctatataaa gcctggcgaa aagctgagcg gaacagttgg 240

taagtccgtt ttatataacc ccggaagtgt tagcaggggg atataaccaa gctgctgatg 300

gctgccgatt tgagattttc tgcagagcca tggggacaat ataacttcat acgccaagga 360

tttgattcgc nggatgcttt gtgtggatcc ttccaaaggt tatcagctga cgaagttcta 420

actcactctt gggttggagc anttatctga aatcaaggtc cagaaacata atgatnaagg 480

atgggttttg gttgtna 497

<210> 17113
<211> 378
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-046-Q1-E1-E4

<400> 17113

gtccgagtag tcacttaacc ggagatcgga gactcatcgt tgcaacaaca acaaatttca 60

agaagatccg aagacgaaac gatgcctata agtgcgacaa tggtcggagc tttgctgggt 120

ctcggtaccc agatgtactc caacgccctc cgcaagctcc cttatatcgt catccntggn 180

acangtggtg ggtatgggac ttggtgctgt gtttgcgaaa ccacctccgt gnaaatggga 240

tgttgaacct tanggaantt cttgatgtga tgnctcncct aaggctaaan cctgctaaat 300

taaccgccnn ttacttngat aaacattcgg gattaaattt tgcgtggatc tttgaagtcc 360

tccagaaaaa naaatacc 378

<210> 17114
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-046-Q1-E1-E5

<400> 17114

agtagagatt gataaaaaaa aaatgagtag ctccgattct cctcagcttc acaatatctt 60

cgtctatggt agctttcaag agcctgacat catccatgtc atgcttaatc gtattcctga 120

gattgtctct gcaacacttc ctggctttaa gagatttagg cttaaaggac gtttgtatcc 180

atgtattatc ccctctgaga atggagaagt tcatggaaan gtactaatgg gattgactaa 240

tgatgaactt gagaatgtnn attgggttga angaaacgan tatganagaa ntgtttgttg 300

aagttgtaag anaagacaan ttctgaagaa gatganantt ggaaacatat ccatggatna 360

cccaagaatg atncctgata ttggtggaaa aatgggaatt t 401

<210> 17115
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-046-Q1-E1-D8

<400> 17115

cggacgagga gaggaagatg aatcttgaga gagacacgtg tcctggtttt atatcggacg 60

gtttagggag agtcatttgg acgaacggtt cttacagaca gttggtggtt gggaaagatc 120

atgagcagtg tggtaagatg agtgtgtggc ttgtgatgaa ggagaagcct ttggtaacgt 180

accggacttt tacgtgtaca atgagattgc agtacacgtg tcgtgataag gaggtgagtt 240

cgattacttc gttctgtgat gtttgganga tgagtgacgg tggctttgcg tggcggcntg 300

atgttgatgc tgcactttgc cttggacggt gaggattggg ccgttggatt anagatnatg 360

ttaggattga tgagatgacg atatttaata acggcatgca aggttan 407

<210> 17116
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-046-Q1-E1-E6

<400> 17116

accacaacaa acacaaaaat caaaaggggt catttactat cttttaagag acgacatata 60

tagttctcga ccaagaaaag aaaaggggggt gacctgagtt cttcaacaca taacataatg 120

gccggagtct tcaaaacggt tacgtttctt gttttggttt tcgctgccgt tgttgtcttc 180

gcggaggact acgatgtttg gtgatgatac ggaatgggac gaagaactat gggacccgan 240

ttccaatact actnggctac cggtaaaact ttccgttgta ngcgaccaac tcnaattttg 300

attcccctgc tggggaagcc tgattgttgg cagttgtttc aagaannctg caatttnaaa 360

aactgtnang aaagaagaaa cccaattaac cantcctccc antgcccggt ngggaacnca 420

acancccttnc agggcttaac cggg 444

<210> 17117
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-046-Q1-E1-E8

<400> 17117

cgacctttt tctctcactt acccaataag agctttttc gcgttttcca ccgcaaccac 60

cgtcaccttc aaccgccgga gccgccgcag ggaaggctca tcatccgccg tggcaatttt 120

ttgaggtgta caaagcattg cctatttgac gaaccaggaa atggttaaaa ggcatggaga 180

gttttgattt acaagatata tcatgtcgca gtgcatagac ggtttcaagc atgtatgctc 240

ctctttttc cggtgttttg atatccgata tttacaaaac aatctggagg ccttggtgac 300

cctgaacttc cttgcgaaga gagacagttt ttaagcgttg aggtgaaata naagctctcc 360

aangagctgt ttaagaaaat caanaatgnc tgttaattga tgatggggct aant 414

<210> 17118
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-046-Q1-E1-F11

<400> 17118

gtagagagga gaagtagaaa tcgataaagg ngaagaagga atcgcaagga angaaagaaa 60

cttgagagga agatcatgat cctagctgtg ttgttcgcca attccgttgg gaatgtttta 120

atcgaaaggt tcaatggagt accagctgaa ggaacggctc cactgggcga tctttccttg 180

gttaaagttg ggaacaagat aaatctcaaa aggcgttaaa aatgaggagc ttctccgttg 240

cttgccacaa gtcggtttat atcgtgtaca caatgctaag ggatgttaag catcttcctt 300

gttggcaaaa gacgagtatg atgaactttc ctttggcaaa aaccatccta tatcataaca 360

gcggctgtta aaagacctta tgtgggaaaa n 391

<210> 17119
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-046-Q1-E1-F2

<400> 17119

aacggataaa ataatttgct cggcttcctc agctccaatg gcggcgacga tgatcggaat 60

taacctctcc tgcttcaaat caacatcgtt cttctcaccg gacctcaatt ctctccaatc 120

aaagctctct ctcctatctc tcaaaccctc tccaacacag ccacggaaat caacagtcat 180

ccgtatgggc ggtggtccga gaactttccc cggcggtgta tcaaaaatgg caatggaaaa 240

ggatgcaagc gaaagaaaca agaaacagcc ttctcaaaag caanggttat gcaagaaaaa 300

cgtcaggttc taacgaagat tgcgaaaaaa cgcncccgaa nttaaaaacc cgccgggttg 360

gnttaaacct angaaacgaa ccaatgggaa accgatttca taaaccancc gaatctaatt 420

cccaatttng tgcctgatga ncnantttaa agttcccccc gggtttcgg 469

<210> 17120
<211> 382
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-046-Q1-E1-F6

<400> 17120

tctgggatct gatggagggg tgaagctata ctggggcata gctgctgatg gatcatgtta 60

gtccagctgc taaggaggtt ctcgaggttt ggttggagcg gtgtgtgaag gaagaagaag 120

agaagattgt ggttggggaa gaagagagaa tggagttgga gagaagagat aaaagcttta 180

gaangaagag catagaggac gatttggatt tgcagtttcc gagaatgttt ggtgaagaag 240

tttcctcccg tgttgtacac gctattaaag aagctttcgg tgttctctaa attatgtaac 300

tatatatata catcagttaa tgttcattgt actaaacatt tactttcatc aatgtcacaa 360

gaacgcaaag atgancatca aa 382

<210> 17121
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-046-Q1-E1-F7

<400> 17121

ggtgtcttct acagatcaat attgatctcc aacactctct ggttcccaga tcttcttcaa 60

ccttataccc tagtttcgca atttcattct cattttctcc gctcttcatc tctttcgatc 120

aaccaattta cgacatggat gaggttgtcg ttgaagtgga gaagacgaag agagaatggg 180

aagaagcgta cgagaagacg attggacata ttatctcgat tcaacagtac ggtaaatcaa 240

ggaggggaga tggaggagaa gagaagtttt cgttacagag gctcaacggg attgggctca 300

ggatcgtctc tctcttctca attcccttca attcaatttg gatctgctcg caactccgct 360

tccctccnga tgatcaaggt caatccactc antcactccc ttgaaacgtt ggaagaatca 420

atatcacang ttt 433

<210> 17122
<211> 384
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-046-Q1-E1-F8

<400> 17122

ggctgcgaga agactgacaa tattatcttt ttcgaattcg gagctcaagt ttgaaattcg 60

gagaagctag agagttttct gagatggctc gtactaagca aacagctcgt aagtctactg 120

gaggaaaggc tcctaggaag cagcttgcta caaangctgc acgtaagtct gcaccaacca 180

ctggangagt caagaagccc catcgttacc gtccaaggan ctgttgcact acgtnaaatt 240

cctaagtaca gaagagtacc gagttgctga tnaggaagct ccctttccaa aagctanttc 300

ntgaagattc ccangatttc aangactgac ttgcgtttcc cagaaccatg ctgtgccttg 360

caactccaag gaaggctgcc tgaa 384

<210> 17123
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-046-Q1-E1-G12

<400> 17123

gacacacaaa aacaacagtg gngctactca caagcttgac caactggtta actccgacga 60

ctctcttcct cctcctcaat ttcacgatcg ccaccatttt catcaccaac cggttcagtt 120

cctgttcaag aaaacacaac ccgacgagac taaccgggtc gacccgatcg acaaggatcc 180

cggaggatga cgtcacgacc gaacctagat tcggagctcc atcactcttg catgcgggtg 240

aaatccataa agcttccttc tttatacaag atccgaccca gatccaacac canaagtgca 300

aacacatacg aggacganat cggagtcgag taaancggcg acgaagaagn agaagnangc 360

tacaaagaan gatgatgaaa tctgctagcc gagagacaca tcggccggga agaagangag 420

acagttg 427

<210> 17124
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-046-Q1-E1-G4

<400> 17124

ccaaaaggac gtgactggac tcacggtggc tacttctata agaatccaca tacagggttt 60

tgggacactc ctctacaagc tgagaatatt ctcaaggatt ttgtcaagtt caatgaatcc 120

cgcttaagag agttacggtg caaagtccat gatcctatcg tgcttggaga gggtgcgggt 180

gttggatact tgaaaggagc aagatgctat gcctattccc cgaggattca actctgtatg 240

accttgtgca aatgggaatt aagancactc atgcagctgt taatgtcntt gtgcgacttt 300

agaaaaagaa ctcncanttt gtnaaaaatg tnncaatgtt gattgtatcc attaatatan 360

canttgggtt aaattcancc gagtttgaan aaccccgtac aaccgggttc ctggccgaac 420

ta 422

<210> 17125
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-046-Q1-E1-G7

<400> 17125

aatcggaaga aaggagaaga cgaagatgtc gttggtatgg ttggaagcga tgttgcctct 60

cggaatcatc ggtgggatgc tctgtatcat gggcaattct cagtactaca tccacaaagc 120

ttatcatggc cgtcctaagc acatcggcca cgatgaatgg gatgttgcta tggaaagacg 180

cgacaagaaa gtcgtcgaga aagctgcagc tccttcctca tgattcgctt tatctctttt 240

gtgttcctcc ggggcttaag gtgaccactt gtggcgacaa ataaagtgca ttccagaaga 300

anaagaanct gggggatnta ntactttcat tcccatttga ttttccttgg acatattaaa 360

gctttcagaa atcaagacct caataacatt tggtttaatc natatttcct ccaattccgt 420

gataatttgt an 432

<210> 17126
<211> 397
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-046-Q1-E1-G9

<400> 17126

tgagcgctct tcactcttag caancacgag cacaggaaaa tatgagcgac cctagcggcc 60

aatcttcaac aacgactgtc ggtggaattg ccggcggtag cggttgtaac ggaggaggtg 120

gtggaagtgg cagtggaagc ggcggctcct ttgggaatca gccgaggaga tcaaaggtga 180

ggaagcaagt gtgggctgga gtactcggca tctcatccga ctccaccaac aattaatagt 240

ttcttctttc tttctctttt cacctaagaa atcatgtgta gtgaaaaatg gtggtggtaa 300

ttactatgct tgatcatcgt ttcatgttaa ctgtgtctaa atancaagca aganatatat 360

tanaccanca ccatcgtcat tgttatnaga ttatatg 397

<210> 17127
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-046-Q1-E1-A11

<400> 17127

gatctgacga aagagttcaa gagcttcttg gtcactatcc aggcaacccc aaagctaaga 60

ggaccgggaa gtgtggttaa gtgtcactta aaatatgaga ggattgacga gaaggtggct 120

cctccggaga agctgctcga gttgtttgcc aagctaaccg aatcaatgga cgaaatgctt 180

ttgtccgaag tctagaggat tccttggann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnaatgtgc tttctctatg aagagatctg 300

aactgcaagt attgcagagt ttgtgttacg tatgtttgaa gtttttaatt aagttgcaaa 360

ttataacaaa naanaaaaaa nnnnnnnana aaaaaaaaaa nc 402

<210> 17128
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-046-Q1-E1-A2

<400> 17128

tatctgggac actttcgatt tctgaagttg agagacgact atggcgacga acaatggtga 60

tgtcttgatg ttggaggcga cgccggaggc tgcgaggccc tgggctagtg cggcgaatgc 120

agaagttatc gatgcgcttc cttatataga cgacgactat ggcaatccat tgattaagtc 180

ggaggtagac cgtttggtgg angaagagct gcgtcggagc tctaagaagc caactgactt 240

tctaaangac ttgcctcctc ttccgaagtt cgattttaag aactgctccg ttcttggcaa 300

agagtatgan cgtgttagag ctgggaaacc ctcctgtgcc ggatanaatt tcnaatcccg 360

atacaaactt gaaatgccnc ctgccaataa anaaggaatg atgaatgctg ccttggaaac 420

cantatcctt c 431

<210> 17129
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-046-Q1-E1-A4

<400> 17129

tgtcataaaa ccaaaanaaa aaaatagtga agacgacgaa cctttgagga cacacttcgg 60

tttctccaat ccttcatatg atgtcggacg gaggagcacc gtcgaagata cgtgaagttg 120

acgaaggaac aaagctccgg tcgatgaaga ttcatcccgg gtgaaactca aatcagccca 180

ttngaagttt cctcaatcct agctgttcac aaatgcaatg agtgtggcca aactttggcc 240

tgaanaattt tgaagctcct gctgatnanc cctgggacta accggaatat tccggntncn 300

actgagggga catgaaatan nttttgggct gggaacnttt tccggcccaa ggtgttccna 360

ttttggacct tgttcgatnn aaaactcccg aaatnaacnn anggaaacct ncgttgggaa 420

naaaagncat ggtccttttgc ccantccc 448

<210> 17130
<211> 345
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-046-Q1-E1-A6

<400> 17130

ggtggtgcct aacatctcca agatggacaa ngcttcgctc cttgcagacg caatcactta 60

catcacggat atgcanaaga aaatcanggt gtatgacaca gagaagcaga taatgaanag 120

gagggagagt aatcagataa ctccagcaga ggttgattat caacagacgc atgatnatgc 180

agttgtaacg ctaagctgtc cgttggaaac tcanccagtt tcaaangtga tacaaacgtt 240

gaggganaat gaagttatgc ctcatgattc caacgtggcc atcacanagg acggtgtggt 300

tcacacattc actctccggg cctcagggtg gctgcaccgc tganc 345

<210> 17131
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-046-Q1-E1-A1

<400> 17131

cgtccgcgag aaagacnaca gaagggtacg gctgccaaga agaacacaga agggggcgcc 60

aaaaggaaaa atggatatgt ccgcttgcgt tatccaacgg caccaaatga gtaaggacga 120

ttatcccctg ccacganggc ggtcccaagt ttcacaaacc taaagctaaa gaaaagtcaa 180

gcccggcgaa ataagccggn caacgatgtc gacaaagcgg tttctccggc gggaacgaca 240

aaaggagttg acttgggaag tgcgttagaa agttgtggaa ncntgctgta agaatgcaaa 300

anggactttt cctttgcaac acctgacgaa atcttccaca acccctgnat gaatgtttaa 360

nctgttatcc aaagcaagaa tcggagatna ttgggatngt ntccaaaact accnaccaaa 420

gcctacacgc caaatggcnc caatttaagc ccggtncgtc ccaaaaattt ttgtccgggg 480

ttna 484

<210> 17132
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-046-Q1-E1-A8

<400> 17132

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atccctttgg atgtcgtctt gtgaagtaac actcggtggc tgcaagaggc tcgcgcagaa 120

ttcgccacgg cttaacgtag agatcatcaa cgagaatgag aataatggga tggaacagaa 180

tgaagaagat gaaagagaga aggttgataa actttacctc taccgaacag tggttgggac 240

tagaaaagat gcaccaccat atgttaggat tctttagtct ctttgcacct tcatgtgttt 300

tcaaactttt ctttgtacta agtttttgcc ttttatcaaa cttggaacaa atacaaatgt 360

cgcattttan tatcacccgt aattcancca tttgaaaaac ataagtttan g 411

<210> 17133
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-046-Q1-E1-A9

<400> 17133

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tgacttgcct cttcgaagca acctgattct gtggtctgaa tcttttcaag ggaagagaag 120

ataagctaaa caagagaatg gtgacangtt gtgttgatct tcatcaatct ttcaaatctg 180

cagattcatc ttctgtgcca attcctcntc ctcttccatc aaaatctgat ggactcaaga 240

aaaaacttgg gcatagcanc gtttcgacag ccacaagaga tatgtgggat ctcntttcaa 300

tgacgggata canagctgat gtantcatct atacagaata atggcaanta tcatctatct 360

caagccaaca tccttggaaa tgcctccact gtgatcaaag ggcatnttga aaccaaccc 419

<210> 17134
<211> 392
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-046-Q1-E1-B11

<400> 17134

tggctcgggt tcaagagcta ttgagtgagc taaagccacn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngtcaaa tgatctcatt 360

ccaaaaaaaa nannnnnnnn naaaaaaaaa ag 392

<210> 17135
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-046-Q1-E1-B12

<400> 17135

ggaagagaat ggcgaaggaa gcggtcaagt atgtatggga aggagcaatt cctctgcaga 60

ttcatctcca caaatccgac gtcgcttctc accctgctcc tcctcctgct cttgtgttag 120

caccaagaat aggatatttg cctctgttga ttcctcttat aaagccttat ttcaaggatt 180

cacttcctcc tggtgaagat tcaatttggt ttgattacaa aggatttcct ctaaaatggt 240

atataccaac aggtgttctt ttcgatctcc tttgtgcaag aacccgaaag accatggaat 300

ctcacgatac actttagagg atatccttgc aacatactga taccatgtga aggagaagat 360

tctgtaaaat ggaactttgt taattccttg aaagaagcac aatatatcat caatg 415

<210> 17136
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-046-Q1-E1-B8

<400> 17136

tacattagtc gaccgtcgcg cattaatact ggtgtggtgg ttccgttaac gagcaacggc 60

gatgaagaga cctcgaccta catctcaagc tgtcgatctc ttccaccgtc aaaccaccac 120

tgtctccgcc ggtcacaccg attctcaaac agaagctaca cagaacagga acacctaaat 180

ggttcccgtt aaaactaacc cacacggagc tgacgttgcc gttaactttt ccgacgggtc 240

aaacattccg gtggaagaaa actggagcga ttcagtatag cnggaacgat tgggcctcac 300

ttagtctctc ttanacaacg tcgaggagac nacgcagttt cctactgcgt ccattgtncg 360

cacnngcccn aantccngcg gagcttgcct tgggtccatt ttctcaatgc ctgaaatt 418

<210> 17137
<211> 426

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-046-Q1-E1-C1

<400> 17137

gcaaagacta aggagaaaag aaattcttcg cttcttctcc ggtgtaatca tgacaacctc 60

aaaaagacta gcagacagga agattgagaa attcgacaag aacgtattga aaagaggatt 120

tgttcctgag accaccacca agaagggtaa ggattaccct gttggtccca tcctcctcgg 180

cttctttgtc tttgttgtca ttggatcatc tctcttccag atnatcagga ccgcaactaa 240

gtggaggaat gggcttaaac ccaatcacat tcaagctggg aaaaattgca aattctcaaa 300

ttgatgaatc aacactttcc tccncctcct gactttgncc ctttttttccc ctaanaccng 360

tagaaatgtg acaacntccg gttgnccaac atggttaant gaaaagaaat tttttgantc 420

cctttt 426

<210> 17138
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-046-Q1-E1-C2

<400> 17138

acacataaaa aaatgagtca acacaacatc ttagaagctc taaatgtcca ggtcgtgggt 60

acgggtgatc ggatcctgtt tttggcccat ggattcggta ctgaccaatc agcttggcac 120

ttgatccttc cttacttcac tcaaaactac agagtcgtcc tctatgacct agtttgcgcc 180

ggcagtgtca accccgatta cttcgatttc aatcgttaca caactctcga tncttacgtc 240

gatgatcttc tcaacatcgt tgattcactc ggaatccaaa actgtgctta cgttggtcac 300

tccgtttccc gctatgatng ggaatcatcg cttcgattcg tcggccggag ctttctccaa 360

gcctancctt gatcgggatt tcncccctaag gttctcaang aacgaangat tatcaaggga 420

agg 423

<210> 17139
<211> 363

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-046-Q1-E1-C4

<400> 17139

ttgaggtttt tctcttcccc tgaatcgctg tgctcgttgt gagagagtga gagatgtgtc 60

ctcgagctac tcaaacatgc gaaatctgcg agaaggttgt atccaaatac aagtgtcctt 120

cttgtcttgt tccttactgc tcattgggtt gtttcangat acacaaagag actccatggt 180

gctaaaccgt ctgatcttct tcaacccgaa gaaaaagcca gcttctccaa gcaanaggga 240

agtcccgggt gaaaaaagac ctgttggaaa cctaaatnga tgtttgtnan agaaggacac 300

agcaaaaaag gctanttgcc tngcaatctc caaccgaaag gaaaattccg gtaagcaaag 360

nac 363

<210> 17140
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-046-Q1-E1-C5

<400> 17140

agataaagaa agttggaaaa tggcaaaccc tagaagagta gtgatcgaga accagagatt 60

gtcaccttta atcaacctac tgaagaagcc tcaagcgatt cctctgcttc tctcgttgtt 120

cctcttgctc acatggatct ccctcaggtt acaacactct tcacaatcac acgtctcttc 180

gtcctcttca catccgaaat cgacggtaaa tagtcatccc gatttgaaag tttacgacga 240

cgacgataag gctaatttgg tccggttcgg tttggcgtcg ctttctcctg ctcggaaaga 300

cgaaccgtng ttggttgctt gattccgtta acccttgcct ccgtgaattc tgancctcaa 360

aaggttggan ccnnaatcct gttgtttcca atcaatggtt gggtgaaata acgggccttg 420

nttgaattga aggggaaaac can 443

<210> 17141
<211> 530
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-046-Q1-E1-C7

<400> 17141

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ccgcccacgc gtccgtacgg ctgcgagaan acgacanaag ggtacggctg cgacaagacg 120

acagaagggt acggctgcga gaagacgaca gaagggtang gctgcgaaga agacgacaga 180

agggtacggc tgtgagaaga cgacagaagg gtgtccaaaa aaaaaaangn nnacanaaaa 240

anaaaaagcg gccgctctag aggatccaag cttacgtacg cgtgcatgcn acgtcatanc 300

tcttctatag tgtcacctaa nttcaattca ctggccgtcg ttttacaacg tcgtgactgg 360

ggaaaaccct ggcgttaccc aacttaatcg ccttgcaaca catccccctt tcgccaagct 420

gggcgttata acgaaanaag gcccgcaccg gattgnccct tccnaaacna atttccccaa 480

ccctgaaatg gccnaattgg gancccgcct tgttancggc gcaattaatc 530

<210> 17142
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-046-Q1-E1-D7

<400> 17142

cgtcttcaat tggcatctga agaagaagaa gaagaagaaa ggagccatgg caatgtttag 60

atctatctcc atggtaatgc tgctcgtcgc actaagttac attcatttct atggtttctt 120

ctgctgcttc gtccccagaa gccgactttg ttaagaagac tatctcttcc cataagatcg 180

tcattttctc caaatcctac tgcccctact gcaagaaagc taaatcagtg ttcagagagc 240

tggatcaagt tccttatgtt gtcgagcttg atgaaagaga ngatggttgg agcatccaga 300

ctgcacttgg agagattgtt ggaaggcgan cagtaccnca agtcctcatt ancggaaaac 360

atctccggag gattaagntn aaaccngtag atgcgtatga ga 402

<210> 17143
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-045-Q1-E1-A11

<400> 17143

atgagcgctc ttcactctta gcaaccacga gcacaagaaa atatgagcga ccctagcggc 60

caatcttcaa caacgactgt cggtggaatt gccggcggta gcggttgtaa cggaggaggt 120

ggtggaagtg gcagtggaag cggcggctcc tttgggaatc agccgaggag atcaaaggtg 180

aggaagcaag tgtgggctgg agtactcggc atctcatccg actccaccaa caattaatag 240

tttcttcttt ctttctcttt tcacctaaga aaatcatgtg tagtgaaaaa tggtggtggt 300

aattactatg cttgatcatc gtttcatgtt aactgtgtct aaataacaag caaagaaata 360

tattagacca ccaccatcgt cantgttatg agattatatg aaanttat 408

<210> 17144
<211> 77
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-045-Q1-E1-A3

<400> 17144

gacctttaaa ccatgtaata ttgtcgtgtt tcctttgtcc agttctcccg agggaaacga 60

ttttggttac ttgtgca 77

<210> 17145
<211> 212
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-045-Q1-E1-A7

<400> 17145

tgggggggaag aagaattaag accttgatgc atagctgaag tccattcctt tttctcatgg 60

acttgaatgt gtatgtttgt tatgtataag aagaatacag aagaaatgtt tttacnttgg 120

agtcttgtan gtggatatgt tgttgtnata ttggagatgt ggcttaagga attgtaactg 180

aanaaaagaa ncaatgaaaa aaaanannaa ag 212

<210> 17146
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-045-Q1-E1-A8

<400> 17146

tgacgacgtc ttagctccac ttaaccttga agatatctca accaagctgc ctccaaaatc 60

aaccggaacc gaaacagtcc gctcaaccan ggtctcttat ctccgccaga cacgcaggag 120

agagactcct aagaagctgg ggaggtggaa ccggctggat agtggaagat gcaaaggaca 180

aaatctcgaa actcctagaa gaataccaan caggatgagt aacatcagaa gcttgtcaat 240

gtatccgcga tntaagggat gccttttttc aaccacgaag tagtgaagaa agctttggtg 300

annggcaatg ganaagcaga atgatcggtt actgnatctg ctttangagt gtttttgtga 360

aangattgan tncaactaan ccannntgac cnaaagggtt tgggccgctg ttaaccaaca 420

gcctcnat 428

<210> 17147
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-044-Q1-E1-H6

<400> 17147

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cggcgtcacg tttatcgtcg ttctcgtctc cctctacttc agatcttcct tcaagtctcc 120

acaacaccaa tatcaanaga ggttatttct gctgaggaat tgggcattgt ataatggtac 180

tgatgaaaca ttacctatac tcttagggat tcttggatct gtgttcgatg tgacgaaagg 240

aaaatttcat tacggtagtg ganganggta caaccatttt gctgggaaga gacgcttctc 300

gtgcatttgt ttccgggcaa ctttacaagg agatggactt acaagattcg ntacaaaggg 360

gttaatctag cantgaggtg aanaagcant gttgactggc caaggttccn actccaaga 419

<210> 17148
<211> 52

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-045-Q1-E1-B1

<400> 17148

ataactctgt ttnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ng 52

<210> 17149
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-045-Q1-E1-B2

<400> 17149

gccgaanacg aatangaaga ttaattgagg agaaatcgan gatgtctata gcgttagtgg 60

agaagattca agccaaattt tgaagaagtc tagtagattc tgtattgtaa gctactaaan 120

tctgcgatgg tgaggcattt caatcgtcgc cggaaaattc atcggagata ttaaaattga 180

atcaagcttc gaattggtca accgatcnat attgagtgat ccacaggacg aanccgagat 240

gtatgtggtt tacgcaaaca gaaccgagga tgacattctt gtnagnggaa gaactagaac 300

ggatgggcta gtangcatta angannggct aaagattttg ggtacctcgt tgaaatccca 360

nanggaaagg ttgganttac aataccgggn tttataactg aatcctgtgc ctagggaaac 420

atatccctga a 431

<210> 17150
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-045-Q1-E1-B5

<400> 17150

ccacggcttg tgttgtggct taaacacaga aatggcttct ttaccgttcg gagtttcgaa 60

tctatgcaga aatcaggagg ttctgtctgc gtctgtaagg cttcttccgg ttgggcgaca 120

aaccacagga ttcggagctg cgaagaaagt cttatatana tttgagggac atagattgtc 180

atcatcagta gaaaagggag agaaacagag aatgagatgt agagttagct caaactctac 240

tgaaactgaa gacgattctg ctacaaaaac caagacgacg ccgtttggtt acacgaggaa 300

ggatgttata ttganaggag tgggagtgac tgcacttggt atcgggctan anagtggacn 360

tgagtatntg gganttgatc cgttgcaagc ggggaatgca gnt 403

<210> 17151
<211> 390
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-045-Q1-E1-C6

<400> 17151

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cttcaaacag caacaagtcc acgaaattct cgaaaatgct tcaaagagcg atgtcaattg 120

gtcacagtgc ggcgccgttt agtccacgga gagattttca tcagcaccgt acgacttcga 180

cggcgaacag aggaatcttc ttctccagtc cgttggttcc tacggctgct agagttagga 240

gaaatacaaa gatacgaagc cgtttttgcc cgaacccact tcgcctaaag tctcctgcat 300

cggtcaggtc anactccgct agaccctaaa tgtccggaga aggagaacaa aggcacctaa 360

ggaatcncaa aacgggaatc ngtctttaac 390

<210> 17152
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-045-Q1-E1-D1

<400> 17152

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gcagatctcc agaatgccat tgacagtgag gattacggtt tggcagctaa gttacgagat 120

gaaatctcaa agcttgaggc agaatcatta gctgtatctg cgaaagcctt ggcttttgag 180

aaagcagagt atgcatttcg tttgggacag aaacttagac acaaaacttt tggttaccgg 240

gctgtagtgt gtggtatggg atccaatttg cagtgaatca agctcttgga tggaagctgc 300

agaggttgaa aagttacctc cgtgggattc aatcagccat tttatcaggt tctaatcnat 360

gtttcggacg cacccagatc tactantggc ataagttgcc gaagacaatc tggttaaccn 420

cctgaaa 427

<210> 17153
<211> 275
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-045-Q1-E1-D8

<400> 17153

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cgaaaatggc gaagaagtcg gttttaatac agagatctac gctgctcacg agattgacag 120

aattgctcgt gttgcattcg agactgctac gaaaaggcgt ggcaagctgt gttctgttga 180

caaagccaat gtcttggatg catcaatatt gtggangaaa aganttnaca agctttagcc 240

tctgaatatc cacatgttgg actatcacat atgtt 275

<210> 17154
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-045-Q1-E1-E7

<400> 17154

aaattgtaat ctttgtcaaa ttttgtttat tttgagtttc ttagtgaact cagttggata 60

acagtgacac atatgagatt tgagatgaat ttatttttctg gtaaatgcat agagattatt 120

aatgtttctt actgatttga gaattgcaag gcattgtcct ttgagtttgg tgttaaagtt 180

agcaaattgg tgactatctc tattgagttt acatgttttc ttggttgtta ttgtgaggat 240

ttaagatttg cctgcttttg tatttctctt tggtcttgta atgtcagaat tgtttctttc 300

ttaaagttga tttctttgtc aatctttaaa caagagatcg aggtgttttt gacgcaatag 360

aagatcgttc tgcgtgttat tatccaagaa ctgctttagt ggttataaac attt 414

<210> 17155
<211> 416

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-045-Q1-E1-E8

<400> 17155

ggaaagagaa cgagagaggt acgtagaana aaatggctgc cttatcagag aaagaggctg 60

aagcttatct cgacgcaagg cctagatatc cgatcgattg gtttaagaaa attgccgcac 120

ggacacagga ccacaaattt gcttgggatg ttggaactgg taatggtcag gctgctattg 180

ggcttgtgga gcattacgag aatgtagtgg ctaccgatat aaacgaagca cancttcanc 240

gagcantcaa acactcaaga atcagttacc atcacactcc aacaacgata tcagangatn 300

agatggtgga tctactcggg ggagaaaact ccgtggatct catagttgct gctcaanctg 360

tccatttctt cgacctcaan cgtattttac aatgttgcag aacgtgttct tccgna 416

<210> 17156
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-045-Q1-E1-E9

<400> 17156

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn gctttggcca 120

cgacggcacc gttagctccg gtcaccagtc agcgaaaagt acggaacgat ttggaggaaa 180

cattaccaan accatacatg gcaagagcat tagcagctcc agatacaaga gcatccgaat 240

ggaacagaaa ggtcacgata gcaanaggaa tgagtgttat gcaacaacat gttgctttct 300

tcgaccaaaa cgacgatgga atcgtctatc cttgggagac tataaaggga tttcgtgacc 360

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ctacgttaca cct 433

<210> 17157
<211> 84
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-045-Q1-E1-F9

<400> 17157

gaatgaaaat tgatagaata tatgcctttt cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnng 84

<210> 17158
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-045-Q1-E1-G2

<400> 17158

tcgcagtgac caggcccggg cgactgttta ccaaaaacac aggtctccgc aaagtcgtaa 60

gaccatgtat gggggctgac gcctgcccag tgacgaaagg cttacaaatg gtggtgacgt 120

ctttctcttc ancgccgcct atcttcttcn tacctggagc tgatgctcan ttttcttctt 180

ccaatggaan gtttgctatt ccttcctctt ctcgcgtaaa gggactaana agacaccgag 240

atgcaaaatt ggtgggcaat agagccagag ttggagtaat acgantccta gccanaccaa 300

ntgtatctcc tcctcctcct ccatgaaaan cnacangtca acaaagaggt aattcatggn 360

agancctcnt tgaaagctaa acngttanct antaagcaaa tgtgnagaga ttaa 414

<210> 17159
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-045-Q1-E1-H10

<400> 17159

gagaaaaaga gatggaaaga aaaaagtttt cttcaaaatt tattcatttg ctcattgtgt 60

ttttgcttct ttgtacgttt ctttctcgta ccgaatctgc tcttccttat caccatgaac 120

tgttcttggg gaggaagcgg atgaattatt ataagcccaa cagtgccata ggaacaccat 180

catcaactag tgaccacgct ccaggcagta atgggaggaa gttgatgagt atatataaga 240

cccaatggag acatatttac aggaccatca ggcagtgggc atggtggggg tcgcactcca 300

gccccctagt atatatatat taatgtgtaa tcaagggact cacaagcgaa gcttttaatt 360

ctcgatcacg tataacgtat gcgttggtgt agtaaatgtt taaatttcng ttttcacaag 420

cccaagt 427

<210> 17160
<211> 87
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-045-Q1-E1-H11

<400> 17160

gttgtgtatt gttataagac tcaatttata tttctttaaa aagccttatt atttgtgtnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnn 87

<210> 17161
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-045-Q1-E1-H3

<400> 17161

cgttcgaaat tccgaggaga ggaatcatac catggaatcg caccacgcgt ctctaggtcg 60

ccgtactttg gaagagattc gtcaaaagag agcagctcaa aggctaagca aagcttcttc 120

aggtccagat cttagtgaaa ttcccaatcc tgccgatttc ccagtgatca gaaaatctga 180

gagcggaaat cgactttctg agacagatgt tggtgcttta nattcccagc ttaaagaact 240

gcagaanaag aatgcagaaa tggacgagcg caacaaaatt ttgtcttcaa agcttcaaac 300

gaangaagtt gagaatgnat cactgagact cggttngaat gtgctggaac aanaacacag 360

tgccatcttt gagaaaagcc ctcaanggaa attgcaatgg gagaaaganc tgcctgttgt 420

ttttacg 427

<210> 17162
<211> 421
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-045-Q1-E1-H9

<400> 17162

ttanaagctg gtgccacagc tttgggtatt accattatgg atgaaatggc ttacagtata 60

aacncgagaa aatgcgcatt atgggactcc gaagaaaccc gattgctttc gatagagtgc 120

ctgggggatc atcgagtggc tcagccgtag ctgtagctgc tcgtcttgtg gatttttcta 180

ttggaactga taccggaggg aagtgtacna gttccagcat cttactgtgg gattttcggt 240

ttccggccat cccacgggtg cagtttccac tgtcggactt actccantgg ctcatagctt 300

cgacacaagt tggatnggtt tgctcgggac acagccactt tgaaacgtgt angttgcgtt 360

ctcctgcagn cagcatcact tgancccccat cgaaccatct caaactggaa tatcgcgggn 420

t 421

<210> 17163
<211> 538
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-042-Q1-E1-E2

<400> 17163

gtaactgttt attcatgccg cccantncta agaacgnggn tcnncccaan cctctacaca 60

tgactcctnn taacgcgtcc gtacggctgc gagaagacga cagaagggta cggctgcgag 120

aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 180

acagaagggt acggctgcga gaagacgaca gaagggtacg gctgcgagaa gacgacagaa 240

gggtacggct gcganaagac gacagaaggg tacggctgcn aagaagacga cagaaagggg 300

tacggctgcg aagaagacga cagaaagggg ggaaaacgaa aacgaattta tgggattttg 360

aaagaaaagc atccttttgt ttttaatcct tccttcctcc tggtcctcca accttgcaaa 420

cttgcnaaca accaactttt gcctcaacgc cnggtcctcc gccnattctt tcaaaccaaa 480

gtttttaanc cccttccgnt ttgaattcca aaaaccaatt gaattgaatt ctnccccc 538

<210> 17164

<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-042-Q1-E1-E4

<400> 17164

anacatgact cgtattaacg cgtccgacag aaggggtcg tgcgatacag ttctgggttt 60

gctgaagaag actctggaaa aaagttcatc catcacaatt gattcgtgtt cttgaaacga 120

atctatcgat tcaaacacat gaaacattcg gtgaatcggc ctccgacacc agatgaagac 180

gatgtggcgg atggtttcga gaaagacaag gtcacgcttc gagaaatcat caacgtcaag 240

ttggtggaga gtggagagaa ngagaatcta atggagcttg tgagagatag attggtggag 300

tgtggttgga aagatgagat gagaattgct tgcagggaac atgttaaaga agaaagggag 360

aaaagatgtt acagtcgatg aactgattcg agtgatcact cctaaaangg cagagcttca 420

antacaagat tcctg 435

<210> 17165
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-042-Q1-E1-E8

<400> 17165

gacagaaggg ggtacaagtg gaattttgaa aaaagaagca gagagcgatg gagagagtgg 60

ttgatctctt cggagtcgga gaagctaatt cccagaagct actcgaagga ggcaaagatc 120

tcagcgagat ccaacaggga ttgttcatag gatcagtagc tgaagcgaat aacaaggatt 180

ttctcaaaag ctctaatatc actcatgtct taaccgttgc tgtggccttg gctcctcctt 240

atcctgatga ttttgtctac aaagtcattg aagtggttga tagatccgag accgatttga 300

cagtatattt cgatgagtgt tatagcttca tcgaccaagc tattcaatct ggtggtggtg 360

ttttggttca ttgcttcatg ggaatgtcta ngagtgtgac tatantgggt ggcttacctg 420

a 421

<210> 17166

<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-042-Q1-E1-F10

<400> 17166

caacncccta tagtgacgtc gtattaggct gcgagaagac gacagaaggg gacaagcgaa 60

aagaaaaaag ttaagcgaag aagacgaaag agagaaaatt ttaggttttt gatttttcaa 120

tggcgacgac gacgggacac gagagatcaa agactcttat caatttctcg ttaccgaagt 180

tgtgggggac tcaacatccg aaacagagtc ttctatcgca gtcgctaagc gtcacattca 240

cggagaatcc acagccaacg gcggtggtca cattgcagga gcagcaattg acggattgga 300

ttacttctcc ggtgacgcga cggttcggaa tcggcgccgg gtttacctgg gctgggtttt 360

tagctttcgg tgttgtctcc gagcagatga agaagtcacg actcgatgtg tttcaggaag 420

aggataacac aagaggttta gaaaa 445

<210> 17167
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-042-Q1-E1-E10

<400> 17167

nagacagaag gggactcgcc aagaagtttc ctttcctttg attgcacaac taatctcaaa 60

ctaaaagatc ttctctttag gcatacccag atctttctct ctctaaagtc tccacctttc 120

acggtttttt gcttctcacc tgaatccaat caatctcgcc ggagtgaatt caccttcctc 180

cggttgactc gtcggactta gtccgacctt tcaattcgta gattctgttt acaattcact 240

gatcgtttga ttagaaatgg gttacttgtt cttctaagtc tctctttagc tgaaagtttg 300

ttgctttacg actcttcgat ttacccttac ttgttcaagt tcttcatcaa attcgtagtt 360

atggcgataa gaatcacttt cacttactcc aancatgttg ctcggaatct cgtcgg 416

<210> 17168
<211> 428
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-042-Q1-E1-F3

<400> 17168

acnacagaag gggaccatag aaatgaatct gatcatggat ctaaacatga aaagagtaat 60

gttacacgag cttgtgagta tttttgaaga agaaggagct caagtaatga gtgctaatct 120

tcagaacttg aatgatagga ccacttacac aatcatagcc caggctatca ttagtcggat 180

tggcattgat ccatcaagga tagaagagag agtacggaaa atcatctatg gatatatata 240

ttttgaagca tgaaatccca aatgataagt ctacgctaac gctagtgtgt tttttcacac 300

atgtgttagt tctttaaata tgagatgagt aattgctttt gagttcgatt atgataaata 360

tgttgaccgt caacataaga aaccttaaaa cgttgtcgtt tcgtttttaa tcatcccngt 420

ttaaatca 428

<210> 17169
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-042-Q1-E1-F4

<400> 17169

tctttcttca gagaaaaaca aaaaacagag catttttttt ggtcaagagc aagaaaaaac 60

agagcatact tttgcaaaaa gcagagcttg gagcgctttc ttgtcatcta aaattcaaag 120

gcagagacga tgggagatgt agttttgttc atagatgaaa catatttgaa atcgagtttt 180

aatcgctgta gaatctgtca cgaagaagaa gctgagagct actttgaagc tccttgttct 240

tgttcaggaa ccatcaagtt cgctcacaga gattgcatac aacgatggtg tgatgagaaa 300

ggaaacacaa tttgtgaaat ttgtctccag gagtataaac ctggatacac cacaacttca 360

aaaccatctc gatttattga aacagcagtc acaatcagag ataattaca 409

<210> 17170
<211> 111
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-042-Q1-E1-F6

<400> 17170

agagatcgaa gagaagaata tttgatcatc ttgtgagaaa aataatggct gcttcaatta 60

tgctatcttc ggtgacattg aaacaactgg ttcacggtgg anaaggcggc c 111

<210> 17171
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-042-Q1-E1-F8

<400> 17171

caancctcta tactgattcg naataacgac agaagggaca aggttgttga agtgaatcct 60

atcagtaaga aagaaatcaa atggtctgat tataagaagg tgcctattct tactgtagat 120

ggtgaacaaa tggttgattc ttcagtgata atcgatagct tattccaaaa gatgcaccct 180

gaaatttcca agtccgaaga tgatgaagag actaaatggc gcaagtgggt ggacaaccac 240

cttgtgcatc ttttgtcacc aaacatatac aggaatactt cagaggctct tgagtccttt 300

gaatatatca ccacacatgg gaatttcagt ttcactgaaa gattagtggc aaagtatgca 360

ggagcaacgg caatgtactt tgtatcaaag aaattgaaga aganatataa cattacagat 420

gaacgtgcgg ctctttacga tgctgc 446

<210> 17172
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-042-Q1-E1-F9

<400> 17172

gcntccgtac ggctgcgaga agacgacaga agggggggcaa gaaggcaaga acagttttta 60

tcgcaattga gtcttgaaga ccacaaggat ttgatcacat tggtgcttct gcctgtttat 120

ctgagtttga ggacaagaac ttctggggcg tttataattt gccatggcta gtaatgagaa 180

tctaccaccc aatgttatca agcagcttgc caaggagctg aagagtcttg acgaatcccc 240

tccagatggc atcaaggttg tggtaaatga cgaggatttc tcacaaatat gtgctgatat 300

tgaaggacca attggtactc cttaagagaa cggacttttc cgtatgaagt tggccttgtc 360

acgtgaattt ccaaatttcg cctcccaaan gctacttcat gacaaaagat ttccanccta 420

atgttgcttc caatggaaa 439

<210> 17173
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-042-Q1-E1-G1

<400> 17173

taactgtttt ttctgcccgc cncannacca nagaatcgng tggtcgnccc aanncnctat 60

actgattcgt antaacnaca gaaggggcca ccactgtgac taaatctaaa caatttcatg 120

gcgagtctct gtctctcatc gtcccggatc gtttctcttc accaccagaa accattcctc 180

tctcttaaac tccggtctcg tccttcagat ctctccggtc taggtcgcca cacgagtcct 240

gtttgcttca atccgcttag gttatcgggt gatcgtcagc gaaccgctac ggtatcaacg 300

agggtggaga agcggcgaaa gagangatcg agtgtggtct gttatgctgc tccgatttct 360

gccaatagtc tacaatggat ctccacattt cttgccttgc antgatgcct tgcaangggt 420

actgggtata cataagtcag ttgttgttcc actaattcgc tctccaagca accaatcgag 480

catccgtcnc ctgggattaa aggg 504

<210> 17174
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-042-Q1-E1-G10

<400> 17174

agagagaccc atccctcact tcaaagttca aagtctcgaa ggatcttctc caactctctc 60

taaacaagat tccaaatttt caaaggtgaa tttgtttgat agaatcaaga acaaaccttt 120

aaaatggcgc atctactttc agcttcatgc ccttcagtta tctcacttag cagcagcagc 180

agcaagaatt cagttaagcc gtttgtttca gggcagacct tcttcaatgc tcagcttctt 240

tcaagatctt ctctcaaagg acttctcttc caagagaaga aaccgagaaa aagctgcgtt 300

ttcagagcaa ctgccgtacc tataacccaa caagcaccac ccgaaacatc taccaataac 360

tcatcctcta aaccaaagcg tgttatggtc attggtggag atgg 404

<210> 17175
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-042-Q1-E1-G5

<400> 17175

agagaaaaac cctaatcttc atcttcatct tctcccgccg tcggccgtaa gaggtttcga 60

agaagcaaag tgagcaacaa tggcgggagg caagatcagg aaggagaagc ccaaggcttc 120

gaatagagca ccatcgaacc attaccaagg aggaatatcg ttccacaaat cgaaagggca 180

acatatcctt aagaaccctc tgcttgtgga ttcgatcgtt cagaaagctg gtatcaagag 240

taccgatgtg attctcgaga tcggtcccgg tactgggaaa cttgaccaaa gaagcttccn 300

agaaagctgg caaaagaagt ttatcgccgt ccgaactttg actcctccgt tatgggttct 360

ccaagcctta ancngccgtt tttcaaaggg aaantcccct 400

<210> 17176
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-042-Q1-E1-H5

<400> 17176

aaccgaccga gtcggagatc gaagttttga acctaagnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnccatt ggcttcttct tgagatctcg tcaggctctg 180

atcccaatct atgttcgatc tcactctcac cgagatctca tcttcctcca ttttttcaaa 240

gatccatata tgagctctaa aaccacagat ttcaatctgt gaatcccgta tatatgctca 300

atcggagcca gattctaaca aatcaaaaga aaggaaagaa agaanttgaa gaacaatggg 360

agctgaaaag aaatgggntt tcaaaatccn tcccctgtag taatcccccc caagtgtt 418

<210> 17177
<211> 325
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-042-Q1-E1-H6

<400> 17177

agacggaaga aaattcgaat catcagtgtt tgtttcctcc tctcttaaag cttagccctt 60

ctcaggtcat tgttcttcaa tggcttcgag caacacgact actggggttg ataatacgtt 120

tagaaagaag tttgatgtgg aagagtttaa ggagcgtgct cgtgaacgcg aaaagaagga 180

atcggatcgg tctaaatctc ggtccaaagg tcctcctgtg caaagagccc ctttgaagca 240

tagagattat catgtagacc tagaatctcg tctgggcaag acacangtcg ttacaccggt 300

agcgcctcta aatcagcagg ctggt 325

<210> 17178
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-043-Q1-E1-A1

<400> 17178

ggcgataagg cgagaagaac cacgtccacg acaacctccg gtatggcgtc atcttacgtc 60

acctactcaa cggtcactcc ggtggtcagc agcagtaaca ttcgaggagt ctttcgtttg 120

gcattcacgc gccgccgtgt tactctatcg ccgaatgctc ggaggagaat attgagagtt 180

tcggcgaaag cgtcgacgaa gaatgctatg gagtatagga aattaggaga ttccgatctc 240

aacatcagcg aagttactat gggcactatg acatttgggg agcaaaatac tgagaaagaa 300

tctcatgaga tgctgagtta tgcaattgaa gagggcatca attgcattga cactgctgaa 360

gcttatccca taccgatgaa naaggagacg canggttaaa ccgattcttt anat 414

<210> 17179
<211> 404

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-042-Q1-E1-A9

<400> 17179

gtactgtaga cgtaaaggag aactctactt ggtgtatgac tttatgccca aaggaagcct 60

tgataagttt ctttataatc aaccaaatca aattcttgat tggtcacaga gattcaatat 120

catcaaagac gtagcctcgg gactctgcta cttgcatcag cagtgggttc aagtgattat 180

tcacagggat attaagccag caaatattct tcttgatgaa aacatgaacg cgaagctcgg 240

tgattttgga cttgcgaagc tatgtgacca cgggattgac tctcaaacct cgaatgttgc 300

aggtacattt ggatatatat caccggagct gtcgagaaca gggaagtcaa gcacaagttc 360

tgatgttttt gcatttggan tgttcatgtt ggagattacn tgcg 404

<210> 17180
<211> 208
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-042-Q1-E1-B10

<400> 17180

cgtccgacgg ctgcgagaag cgacagaagg gtacggctgc gagaagacga cagaagggta 60

cggctgcgag aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg 120

cgagaagacg acagaagggt acggctgcga gaagacgaca gaagggttac tgnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nngcggcc 208

<210> 17181
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-042-Q1-E1-B11

<400> 17181

anagtgagtc atattacgac aggagggggc cgtcaaaggt taaacagtcg aaacaatgga 60

gattctgaag cttgatgtag cgaagtttcc agaaattgag gatacaatcg aattaactaa 120

cccaaagaga aacgacgaag tagaagattg cgacgaccaa cagaagcagc agctagctac 180

acaagaagat gaagaggaag acgaattgag aaagcttctg ctttcagata ttggagaact 240

tccgatttct cctccttcag ctacacaagt caattttgtt tcttacttca tcacagattt 300

tactaaatcg ggtcatgatc aatatattta ccgtcacgct aatggtttgt gtgtaattgg 360

attggctcct acgcatatag cttttaagga tgaaggtgga atcactaagt atcgatttca 420

atgttgggaa gtcc 434

<210> 17182
<211> 392
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-042-Q1-E1-A7

<400> 17182

gcaacaatgg atttttttcga cgaagacagg cctagattcg ttttccaatc tcgtccttct 60

tcttctcaca cggcggagga agaagaagaa gctagaatcc ctaacaagct tttcatttca 120

atctccgtct caatctccct catcatatta tctctctcct tcttctactt cgaatctgaa 180

cctgccaaat cgctactatt atggctttcc ctctctttcc tcgtcggtcc tttcgctcct 240

aactccgctc accgggaggt acgattcgtg tcngttatgg gcaagatctt gggnnccaga 300

aacagattcn cgatgagtca tncacggatt acgaacgttt natccnggag gaaatcggtg 360

aataancgat ctaaagggtc gacgaanagc ga 392

<210> 17183
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-042-Q1-E1-B12

<400> 17183

tccacccagc acggcacnan nccatgaact cgcgggtcnn cncaagcctc tanactgatn 60

cganataacg acagaagggg atgtcgagac aaaatgcagg catacacact accattcgta 120

ttcggagaat tattgcgggt atcggtgttg aaattgtgtt tcccatatac tctcccaaca 180

tcaaagagat aaaagtggtg agtcacagga aagtaagaag agcaaggctt tactatctga 240

gggacaagct tcctcgtctg tccactttca agtgaacacc atccaccgtg ctgtgtttga 300

cctccagagg tagtaatctt ccgcattgtg ctctttttt gtaagaattg tttctttctt 360

tctttttttt aagcctgtaa gtcattccct gcacattttc tgagaaagta aattaagatt 420

agttgaactt ccggttgatg gatgtagacc tgttccttgt ttgataatga atgatatatg 480

gc 482

<210> 17184
<211> 513
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-042-Q1-E1-B2

<400> 17184

antgttattt caagccggcc ccactacngn gaatcgtggn tcgncncaac ncnctatant 60

gagtcgtatt atccacagaa gggggccgtt tctgttttaa caaaacaagt atcaggccgt 120

tccaagcgtt cactaacgac acgacgtttg tttatgaacc aaaaagacga atttttcaaa 180

acctcgtcgg agaggtttag gcttaaagaa acaaattgtt ggaatctcaa ttctcgaatc 240

tgacatctcg gagaagagat atggcgacag agtcatcgga atcggaagaa gaaggaaaga 300

ttagtggagg aaactataag ccaatcatag acgacgattc aagagagatg ggtaaaaacg 360

caacttggag cgttagctcc tgtaagcccg gcaatggcgt caccaactcc tccggcgacg 420

acaatctccg aagacttatt gggcaatcag atggggttta caaaccacat tttgattaac 480

attccaattc ccagaaagaa agttgaaacc tgc 513

<210> 17185
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-042-Q1-E1-B3

<400> 17185

acagaagggg gctttacgaa agcttttgtg ggaacaacag ctacgcgttt tgccgtgctg 60

cctgtggagt gatccctgaa cagcggcaca tggcagttcc tgtgcccctt gttggagcag 120

cgcttggtgt tggcgtgcag gtgtatgcca atgccgtgcg caagctgccg ctgatgcgga 180

agccctggct acatgttctg tgcggcagcg cangctacgg cttcggctcg tggctcgtgg 240

aatttgaaag caaagacgca caanggactt gactgaaatg ttgaagaatc gcgagaaatg 300

cgaacnaagc agctggcaac cgttgacnac atccttgcgc aacgaacatg catgcctgaa 360

angggggcaa nccancaanc aagccaancc ttcanaaaag ccaccggcac acatcaactg 420

nccctcgcaa atcngtttaa atg 443

<210> 17186
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-042-Q1-E1-B4

<400> 17186

caaagaaacg ngggtcgacc caagnctcta tactgattcg naataacnac agaaggggac 60

ccatttcttg gcttacaaca acaaatctta aacgttttac tttgtgctgc actactcaac 120

ctcaatggcc gcctcaacaa tggntctccc ctcccctgcc ttcgccggta aggccgtcaa 180

gctttccccc gcggcatctg aagtccttgg aagcggccgt gtgacaatga ggaagactgt 240

tgccaagcca aagggcccat cangcaaccc atggtacgga tctgaccgtg tcaagtactt 300

gggtcaattc tctggcgaat caccgagcta ccttaccgga nanttccccg ggagacaacg 360

gatggganac cgccgggcct ttaacctgna ccccgaaaan attcccaang gaaccntnna 420

ctaagaantt anccacanga aggttggggc caagncccgg aacccctaag ggtgngt 477

<210> 17187
<211> 369
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-042-Q1-E1-C1

<400> 17187

ggtcgcagtg accaggcccg ggcgactgtt taccaaaaac acaggtctcc gcaaagtcgt 60

aagaccatgt atgggggctg acgcctgccc agtgccggaa ggttaaggaa gttggtgacc 120

tgatgacagg ggagccggcg accgaagccc cggtgaacgg cggccgtaac gataacggtc 180

ctaaggtagc gaaattcctt gtcgggtaag ttccgacccg cacgaagggc gtaacgatct 240

gggcactgtc tcggagagag gctcggtgaa atagacatgt ctgtgaagat gcagttgaag 300

cattcgctag acgaaatgta ccgagtcatg gcattcgccc gaagcacatt ttttctgatg 360

atgcntcca 369

<210> 17188
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-042-Q1-E1-C10

<400> 17188

aaagtnaatc gtatgagggg gtcgcagtga ccaggcccgg gcgactgttt accaaaaaca 60

caggtctccg caaagtcgta agaccatgta tgggggctga cgcctgccca gtgccggaag 120

gttaaggaag ttggtgacct gatgacaggg gagccggcga ccgaagcccc ggtgaacggc 180

ggccgtaaca ataacggtcc taaggtagcg aaattccttg tcgggtaagt tccgacccgc 240

acgaaaggcg taacgatctg ggcactgtct cggagagaga ctcggtgaaa tagacatgtc 300

tgtgaagatg cggactacct gcacctggac agaaagaccc tatgaagctt cactgttccc 360

tgggattggc tttgggcttt tcctgcgcag cttaagtgga angcgaagaa gccccccttcc 420

ggggggggccc g 431

<210> 17189
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-042-Q1-E1-C11

<400> 17189

tattctccct gntccctcaa tnctagnnct cgnggntcgt cgcaannenc tanactgact 60

cgtantatgc gagaagacga cagaagggga cagactctgg actctgaaga agcaaatggc 120

tgggatcacc agcaccgttg gattcaacgc cattctcgcc ggagccacca aaacggtgtc 180

gcatcctgtt aaatctaagc tctttggtct tcgactctgt gtacccgaat tctcaattgt 240

ttctctttcc ccttatcatc atcgccgttg tcccgccatc acttgccgtt acggaggcgg 300

tggtggcgga ggctctagat ttcccggcga taggagaggt aggcagaaag aatccgagga 360

tgatgattcg cttaatatct cagctattag gtcagccact gttaggctta ttgatgatca 420

agcagaacat gattggttta gtttccaaag aagaagctgt tcgaagaact gaagatgctg 480

agc 483

<210> 17190
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-042-Q1-E1-C6

<400> 17190

cacgacgtcg tcttcttctc actttgaaga cgttcttgat tcgtttcatc aagagatcga 60

caacagaaat ttccagtttt ctaacccaaa ccgcatctcg tcgctcagac cggacttaac 120

cgaacagaaa accgggttcc acggtcttgc ggatacttct aacttcgatt gggctagttt 180

tgccggtaat gttgagcata ataactcggt accggaactc ggaatgagtc atgttgttcc 240

taatctcgag tacaactgtg gctacctgaa gacggaggan gaagtcgaga gcagtcacgg 300

gtttaataac tcgggcgagt taactcaaaa gggttatggt gttgactcgt ttgggtattc 360

ggggcaagtt ngtgggtttg gggtttaagt gaag 394

<210> 17191
<211> 382
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-042-Q1-E1-D12

<400> 17191

tcaccggttg ttatatcgtc gattcatcgt cgtcgacggc gagtacttgt gacctccaca 60

cccagattaa tcttctataa ctgattttat cgcttagacg atcacgatct catcgattaa 120

ctgacaaatg aagcatgtag taaagatctt gagcctgttg gtggctatct ctgccttctg 180

gattggtctt ttgcaggctg caattattcc tcgaagccat acatggttgc taccgatcta 240

ctttgttgta tccctcggat gctatggcct attaatggtt ggagtcgggc tcatgcagtt 300

tcctacttgc ccccaagaag cagttctgct gcagaaggat attgcagagg ctaagggctt 360

cttcaaagca caaaggggta na 382

<210> 17192
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-042-Q1-E1-D2

<400> 17192

tactgttatt ctgcccgccn cannactaag natcgngggt cgncncaanc ctctatactg 60

attcgnanta acnacagaag gggacataag agggaaaagg aaaatgactt atggggagga 120

ggagccggtt agcccgatgg cgcgtgtatt ccaatcgccg ggcatagact tatgtgccgt 180

gaccatcatg ggtttcaaaa caaagattaa tcccgacgtt gttcttgatg ccttgaagca 240

aaatgtctcc aagcatcctc gtttctccag catactgtcc gataatggtg caaaatggat 300

cgagaccgaa gttaatgtan aaagatnatg ttatttgtac catacataga cgcggaagag 360

ataggtgaag gtgggacaaa agcttcatcg atgattatat gtcacgtctc acgatgattc 420

ctctcgatag atnaagacct tgtgggacat tcacatccta acgtcaaaac ctcagangct 480

gaagcagtcn gttttaa 497

<210> 17193
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-042-Q1-E1-D5

<400> 17193

ctaaaccaga acaatatatg atcttgaaaa tatatttaaa atcttttgtt ttctccttgt 60

aggctttcct gttgtgtttg taccaagcgg gaaaactggc gtttttacac ccaatgataa 120

gtatgataca aaccgtcgcc ttctcctctc ttctctagct tctcatgttg tagctcgagg 180

tgacttctac agtaattcac ttggccaagt ctatgatcgg gtgtatgctt tggggatgtt 240

catctcagtt gttgaaccaa aggtttgctc aaactgtatc gaccttgctt ccaaaagang 300

tgttanagga atgtaccaac caagacaaga aaggcattgc ctggcccgaa aatnggattc 360

cttggaangg tacgttactc caaaccgttc gttttctgga ttaac 405

<210> 17194
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-042-Q1-E1-D7

<400> 17194

gtcntattac gacagaaggg ggagagaatc gcantancaa aaanacaaac gaatcttttg 60

agtttataac ccttttttcac ttaccggaga aatggagaga ttgacgccgg aacatgtctc 120

ctccgcacac aagcgcataa gcgtgagctt cctcgtgtct ctcatggtac tttgtgctag 180

acacgcangc agagtttcca agangcttaa acccaagaag actcggaagc aaactcatct 240

tgannactat ctcgaaagcc ctaagtctaa cggaaacggt agcgaagacg gtagaggang 300

angacggttt ggatggagtc cggcaaggac tttttctcct atgagggtgc gtcctaagga 360

gctctanacg accttgagca ncaaggngat gactatngnt ggncggaaaa nacaaagctt 420

acnacggtgg tccgacgaa 439

<210> 17195
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-040-Q1-E1-H4

<400> 17195

cgacagaaga gaaaaatctc tagagctagc anagtaaaat canttaatat tttggagaac 60

atcaacgaat ttactcaaca actatggcct catggtgacg gtaacgagaa tatcggtaan 120

acgatccagt tgtttgcgga naagtcagtg gaaatagatg tgatggtgag aagaatggta 180

atgganagct ttggaatana aaaatacatt gatgaccatc taaagtctac ggcgtatgcn 240

actgatgaag tatattgcac cacctgaggg tgatgctaat actactgttg acganaatgc 300

tgatcttctt gctaagctta tantgttggn gttgaaccta ntgttggtgt taaagtnaat 360

gccnatatta tgatgatgtt natcctaatg ggaatgtta 399

<210> 17196
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-040-Q1-E1-H7

<400> 17196

gcgtccgana agacgacaga aggggacgca caacaataga ctcaaagcaa acgcaactca 60

tatccaatcg cttttaaacg ccaataatcg cgttacagta acaactcgaa aaatggtaac 120

actaatcgtg gccaccaccg ccgatccagc gtcgatcaac cctgcggcgg cgcttctcgc 180

catgcccggt tggaccgccg gacctatctt accgccggac ataaagagtt ttagtaacaa 240

gcaaacgaga gtgattcaac acgatagatc tatagtaaaa gaagacgatc tcgatttacg 300

ttgggaagaa gctaccgggt gaagttgttg atgaagtcat cttcctcagc cgtcacaccg 360

ccgtctcaaa tcgtcctgct ttaactgttc atccgatttg gngtgcctca tctaaaagga 420

ttggngnatc accgccgcaa aggaggaaag n 451

<210> 17197
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-040-Q1-E1-H9

<400> 17197

taccggtcca naaattcacg ggtccaccca cgcgtccgta cggctgcgag aagacgacag 60

aaggggggag aaagtggttg atctcttcgg agtcggagaa gctaattccc agaagctact 120

cgaaggaggc aaagatctca gcgagatcca acagggattg ttcataggat cagtagctga 180

agcgaataac aaggattttc tcaaaagctc taatatcacc catgtcttaa ccgttgctgt 240

ggccttggct cctccttatc ctgatgattt tgtctacaaa gtcattgaag tggttgatag 300

atccgagacc gatttgacag tatatttcga tgagtgttat agcttcatcg accaagctat 360

tcaatctggt ggtggtgttt tggttcattg cttcatggga atgtctaaga ggttttgatt 420

cttttgccct taaatctcat acattcagtt attanattta gtgtttaaag aat 473

<210> 17198
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-040-Q1-E1-H3

<400> 17198

gaagggtacg gctgcgagaa gacgacagaa gggggaggac actgtgcaga tcactacggc 60

tcattcacag gctgtgtttt ctgattccta cccgccttcg tcttgtgtgt ttaaagagaa 120

tgttgttcag ttcatgaagc cattgttgga gttttttcag cagattgggt ctccttttg 180

tttgaatgct taccctttt tggcgtacac ttataatccg aaggagattg atatcaacta 240

tgctcttttc aagccaacgg aagggatata tgacccgaaa accgatttgc attacgataa 300

catgcttgat gctcagattg atgctgctta catggccgtt gcaagatgct gggtttaana 360

agatggaggt tatgatcact gaaaactggg ttgggctcct aaagggga 408

<210> 17199
<211> 383
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-041-Q1-E1-A10

<400> 17199

cgtgaacttg gattgataga tgatagacga tggaagttat accaagagaa gcaagcaagg 60

atttcagaag agaagaagag actgaaaact gtcaagattt cagttgcagt aggtgatttg 120

gctgccgaag tttctaagtg tgtcttctca gccagtcaaa gaatcagcga cactagagag 180

tctcctaaag aaaccacata tccactacaa gcttcttgag aagcatggct ttggaaatga 240

agcattatct agaatggaga aagactgtgt agagatcgat ataaaatatg aangtttcat 300

tgttcgccag caaaaccaac tgcagcanat ggtccaccaa caacataaga cgacttccag 360

acgatttggg attactattc gat 383

<210> 17200
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-041-Q1-E1-A11

<400> 17200

acgtcgaaga tgaagttcaa cgttgcgaat ccaactactg gatgccagaa gaagctcgag 60

atcgacgatg accagaaact acgcgcgttt tacgacaaga gaatctctca agaagtcagt 120

ggagatgctt tgggcgagga gttcaaagga tacgttttca agatcaaggg tggttgcgat 180

aagcaaggtt tcccaatgaa gcagggagtt ttgactccag gccgtgttcg ctttttgctt 240

caccgaggaa ctccttgctt cagaggacat ggaaggagaa ctggtgagag gagaagaaag 300

tctgttcgtg gttgcatttg tgagcctgat ttctcctgtt cctgaacctt gtcattttaa 360

aaaaggttaa gaaagattct cctggggctt aacgatactg anaa 404

<210> 17201
<211> 322
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-041-Q1-E1-A12

<400> 17201

cgagaccgtg atcgaaacgg cgatggttga ccagagtcct cgccgtgttg tcgtggcggc 60

gctcctattg tttgtggttc tgtgcgatct ttcgaattct gcgggagctg cgaattctgt 120

gtcagctttc gttcagaacg ccatcttgtc caacaagatt gccatcttct ccaaatccta 180

ctgcccgtat tgtttgcggt cgaaacgtat attcanccaa cttaaggaag aaccatttgt 240

tgtggagctt gatnagagag angacggaga ttaaatccan ntacgagctt tagaantcgt 300

ttggtcgtcg tactgtcccc gc 322

<210> 17202
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-041-Q1-E1-A9

<400> 17202

ntcgccggtc gacccacgcn nccgaaanga ctacaganag gtgttgagaa ggccgaacaa 60

gacaagagaa gtgccgttat ccgcgcccag ggagaagcca agagtgctca gctcattggt 120

caagcaattg caaacaacca agcgtttatc acgctcagga agatcgaggc tgcaagagag 180

attgcacagg ccatagcaaa ctcggcgaac aaggtttact tgagctcaga cgatcttttg 240

cttaacctac aagggatgaa tttggatgtt gatgcaaaga actagagagg tttcttaagt 300

aaaactgcat gtgggtcatt ttgtctttta agttcctaga atccgttgga acaaaagctt 360

gatttgtact actaaatact acttttaaaa tcctgggatt agtctactca anggtgaaag 420

tttgaaaaag aagatactgt cttgctgaat gantta 456

<210> 17203
<211> 74
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-041-Q1-E1-B9

<400> 17203

gccgntcggc acagtaacca agnctcgngg gtcgacncan gcctcnatac tgnttcgaaa 60

naacgacaga aggg 74

<210> 17204
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-041-Q1-E1-C12

<400> 17204

ancctctata ctgattcgaa anaacgacag aaggggggag aaagtggttg atctcttcgg 60

agtcggagaa gctaattccc agaagctact cgaaggaggc aaagatctca gcgagatcca 120

acagggattg ttcataggat cagtagctga agcgaataac aaggattttc tcaaaagctc 180

taatatcacc catgtcttaa ccgttgctgt ggccttggct cctccttatc ctgatgattt 240

tgtctacaaa gtcattgaag tggttgatag atccgagacc gatttgacag tatatttcga 300

tgagtgttat agcttcatcg accaagctat tcaatctggt ggtggtgttt tggttcattg 360

cttcatggga atgtcnanga agttttgatt cttttgccct taaatctcat acattcagtt 420

attagattta ntgtttaaga at 442

<210> 17205
<211> 59
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-041-Q1-E1-D11

<400> 17205

gttgtgtatt gttataagac tcaatttata tttctttaaa aagccttatt atttgtgca 59

<210> 17206
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-041-Q1-E1-E10

<400> 17206

atactgattc gnaataacga cagaaggggg aagaccaaaa actagtggac aaagaaaaag 60

aacaaaaacc taatttcagg aaattcaata aatatcatcc tccggataag ttgttattgt 120

acgtttacca aattcaagaa caagaaaaaa cttttccttt gaaacaaaga aacatggatt 180

tcttcaccga tcaagtaaag aagaaattct ccgacaagaa accggagagc tctgatccgg 240

agccaaacca caacaaaaac aaacccggtc acacggagcc aacaacacat aaacccggtc 300

acggcgagcc aacaacacat aaaccggtct ccaacaccga tccgacaaca cacagaccgg 360

ctacgaacgc tgagctcatg gctagtgcca agatcgtagc cgaagctgct caagcccgct 420

gctcgtcacg agtcagacaa gc 442

<210> 17207
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-041-Q1-E1-F10

<400> 17207

nagcttttct ttagcccggc cccactcact aactangnct cgtngntcnn cncaaccctc 60

tatactgatt cgtantaacn acagaagggg acaactgaag aagaaggcaa agccctttct 120

gatatggttg ccgagaaact tcagattgga ggagaagaag agaagaagga aacgacgaca 180

aaggaagtgg agaagatctc taccgagaag gcagcatcgg aggagggtga ggcggtggaa 240

gaggaagtga aaggaggagg aggaatggtc gggaggatta aaggatggtt cggtggtggt 300

gcgactgatg aggtgaggcc agaatcgcca cattctgttg aagaggctcc aaaatcatct 360

ggctggtttg gtggtggtgc gacngatgag gtgaagccaa aatcgcctca ttccgttgaa 420

gagtctccac aatcacttgg ctccactgtt gttccggtgc agaaggganct ttaanantat 480

gagaactgag attttcaaag t 501

<210> 17208
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-041-Q1-E1-G12

<400> 17208

gaaaagaata gatccgtccg agctcaaacg cgttttccag atgttcgaca agaacggtga 60

cggtcgaatc acaaaggaag agctcaacga ctcgcttgag aatcttggaa tctacatacc 120

agacaaagat ctgactcaaa tgatccacaa gatcgatgct aacggtgatg gatgcgtcga 180

catagacgag tttgagtcgc tgtacagctc gattgtggat gagcatcaca acgatggcga 240

aacagaggaa gaggatatga aagatgcgtt taacgtgttt gaccaanacg gagatgggtt 300

tatcactgtg gaggagttga aatctgtgat ggcttccttg ggactcaagc aagggaagac 360

cctaaatggt tgtaagaaga tgattatgca agttgatgca nacggt 406

<210> 17209
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-041-Q1-E1-H10

<400> 17209

ctttttttag cccngcccgg cacagnanct aaanactcgc gggtcgacnc acgcntcngc 60

ccacgcgtcn gtaaggctgc gagaagacga cagaaggggg aagangaaga anangatcaa 120

aaccatgacg agtcaccacg cgatcgaagt gacgaagacg gtgctggaag tanccgacgt 180

ancatggacc gcggtggaaa cttaccatca ccaccaccac caccangacg aaattcacga 240

gtcancgaat ccaatttctg atccacgana tcgtgaatta gaanctcttc gtcaagagaa 300

tcgtcgtctc aggactttgc ttgaatcgaa tcttaaactc tttgagactc tcgctgantc 360

tgctgcgttc tctcatgatt gccctancga nctctatgct aagcttgtaa cgatggttac 420

ttcannagat ttcttgggct agattagaga ntctangaca agctttatct aatggaattc 480

agaatcaatt tccattc 497

<210> 17210
<211> 387
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-042-Q1-E1-A3

<400> 17210

ggtcgcagtg accaggcccg ggcgactgtt taccaaaaac acaggtctcc gcaaagtcgt 60

aagaccatgt atgggggctg acgcctgccc angtgccgga aggttaagga agttggtgac 120

ctgattacag ggggaacccg cgaaccgaag ccccggtgaa ccggcngccc gtaactataa 180

cggtcctaaa ngtaaccnaa aattcccttg gtcccgggtt aaagtttccc gaaccccggc 240

accaaaaagg ggcgttaacc gaattctggg ggcaactggt nctccgggaa naaaaaaggc 300

ctccggttng aaaaantaan aaccaatggt cccgggttna aaagaatttc ccgggnactt 360

aacccttggg caacccctgg gnaacaa 387

<210> 17211
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-042-Q1-E1-A5

<400> 17211

atantgactc gtattaacgc gtcngacggc tgcgaganga cnacanaagg atacggctgc 60

ganaagacga cagaagggca cggctgcnag aanacgacag aaggggaaac caaagatctc 120

tcttcagagc ttccaccatg tttctccgat cactcaatct ctgtacaata ctactcttcc 180

tagcgatttc atcacaagtt tctcaatctc tccacttcga attgcantct gggtcgaaca 240

tgatgtatat cggaagacat aanncagcaa ttcaatgacc gtcgggaagt ncaccgtcgt 300

taaccctaac gaagctcatc cntctcctca atctcacaag atntccatca gtgacatcga 360

gttacgggaa cactatcatc acgcggaaga tgtagaatcn ggatanttcg cgttcacggc 420

ggtggatctg ggatattaca tggctgtt 448

<210> 17212
<211> 63
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-038-Q1-E1-D1

<400> 17212

aataaaatgt gtgaaatgta aaacaaaatc gtcgttaatt atatatttcc atctttgttg 60

cca 63

<210> 17213
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-038-Q1-E1-D10

<400> 17213

gtacgtcttt tgcataagaa gaaacagaga gcattatcaa ttattaacaa ttacacannn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn gctttggcca 120

cgacggcacc gttagctccg gtcaccagtc agcgaaaagt acggaacgat ttggaggaaa 180

cattaccaaa accatacatg gcaagagcat tagcagctcc agatacagag catccgaatg 240

gaacagaagg tcacgatagc aaaggaatga gtgttatgca acaacatgtt gctttcttcg 300

accaaaacga cgatggaatc gtctatcctt gggagactta taagggattt cgtgaccttg 360

gtttcaaccc aatttcctct atcttttggn cttact 396

<210> 17214
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-038-Q1-E1-D12

<400> 17214

tcaggagaaa acaagataac aggattggcg tttggaggaa atagaatgtt tgtgacccga 60

aaggatcagc agtctgttca ggtttggcaa agtcctagtc gtggaatatc tatctaatga 120

gcaagtatta agctttggtt cgaggtgatc acgagttgct taaagccgaa tccaacaaaa 180

actagttagc gacttacgtt gtgttaaaga agaatgaatg atcttaatcc caatacttga 240

tgaagctatt ccaaccatga atttcttatc tctgataatc ttataaaaag gacttacatc 300

gttcgtcaga cgangctgtg aangatgttt gcattctaac gacatgacct tatcaagtac 360

tgcagagang aagcanatga cgatgcttgg naaaat 396

<210> 17215
<211> 222
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-038-Q1-E1-D7

<400> 17215

aggattgctg acgagttttt ggacaagctg gtaaagtgga ccaagaacat taagatttca 60

gatccttttg aagaaggctg taggcttggt cctgttgtca gtaaaggaca gtacgagaga 120

gttctaaagt ttgtctcaaa cgctaggaat gaaggtgcaa ctgttctttg tggaggagtt 180

cgtcctgagc atttaaagaa gggatacttt gttgaacctg cg 222

<210> 17216
<211> 376
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-038-Q1-E1-C6

<400> 17216

gccgcgcttt ctctctctaa acttagctca gcctatcgat taattcctct ccggaataag 60

gaaatttcac ctcgatttat tgattagtcg gaagaattcg gaaccaattc tgaaccagac 120

ctgaaatttt ccaatggggc ggaagaagcc gagtgctcga ggtggagatg ctgagcagca 180

acctcctgcg tcatctctcg ttggtgctac taaatctaag aagaaaggtg ctcaaattga 240

tgacgatgag tactcaatag gtactgagtt gtctgaggag tctaaagttg aggaagagaa 300

ggttgttgtt atcactggga agaagaaggg taagaaaggt aataagaagg gtacgcagca 360

ngatgatgat gatgat 376

<210> 17217
<211> 228
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-038-Q1-E1-E12

<400> 17217

tgaggagatt aaagaggaag agacgaaaga tgagacagcg atctaagtag attttcgaac 60

aaacctggtt ttgtgttttg ctttcgttgt taaatccaac tctgttttga gtttcagttt 120

gaatgtttcg ttggaccaaa ttaanatgga agttatgttt tctattatac atcttacaac 180

tgttgatgtt ctactaaaaa agaatccatt gtncntnngn aaanaanc 228

<210> 17218
<211> 297
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-038-Q1-E1-E4

<400> 17218

agccattcaa aatattggtg gcttcaaatt cacctcttac acttgtagct tgtgcttcat 60

ccaattcttt gcagcgatta aaacacacaa aaagtttgca tatgaattgc tgactctgaa 120

tttctcaaaa agataagggc attgcttcat tgatatggtt aagaaatgtt agttgcgtat 180

cctgcgggaa ctatcaacaa attccaaatc cctattagct gctatgccgc tttgcgcaga 240

ttcaagacct cgccttttgg tcctctgatt agttgttctg tctccccaag atcaata 297

<210> 17219
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-038-Q1-E1-E7

<400> 17219

gtgtgttgtt gttgttggca ctgtgccact ttctctctcg atggaccctc tcaagcaagc 60

ttcttcgatc ttccgagctt agtttcgttt ctaaatattc agctgttgaa atcgtgctta 120

ttgctacaaa ttgagaggca ctaaatcagt gaggtcgtaa agaagaaggc aaccacaatg 180

atgcagactt gttgtatcca tcaatcgttt tgtttccctc atanagtctt tccacggttt 240

gatgcttcga ttggtattaa gcccccaaag ctttgtcaag ttggtttcat tggaaagact 300

caatcttatg ggatttcaag tccgatacgg caaagaagat tatatgtgaa tttgaatgct 360

aatgatggtc acccatccat gtctatgttg gaagaagaaa ctc 403

<210> 17220
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-038-Q1-E1-F4

<400> 17220

agtcatggaa caacaacctc atcgaagacg acgcccaaac ccaaaaaagg tctacattcg 60

gagaacattc tccttgacga cgaggactcg tcggctacgg gaggcatggt cacaccgcca 120

gactcagatg ctccgtccaa attcaggaag ccacgcgcgc accggaagag gatggaggac 180

ttggagagcc tcggtatcag tagcccgttc aagaagtctt ctcgaagggc cagaaccccg 240

tttacggacc aagatgaccg cgaaatcttg gaggggctgg agaagtacgg cccagcttgg 300

actaaaatcc agcgggaccc tgcctttcat ctacagagcc tgcagccgac agatttgagg 360

gaccgtgttc gcaacaaaca cccgaggtct acaagcgcat ngattg 406

<210> 17221
<211> 275
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-038-Q1-E1-F8

<400> 17221

ttggagaacg aaattaggta aacgatggag gagatatttg ctctgatagt ctcaatgatt 60

ctcatagttg cggtgattcc tttgttcttt tggaaacgtc ggagagatgc tanatcacgg 120

gaggaagttg ctgaaccacc acaggttcaa cctcgtgaaa acgtggcacg tgctggtggt 180

ggacggagga tgcgtaggat acctgcagct tctggtgcta gctcctctac atccaatgtt 240

caaganaacg gcagtgggag tgaagatgaa gatga 275

<210> 17222
<211> 91
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-038-Q1-E1-G2

<400> 17222

tgtttattag cccggcccan nnccanagnc acgngtggtc gncgcaagnc tctatactga 60

ttcgnaataa cgacagaagg gtctttctct a 91

<210> 17223
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-038-Q1-E1-G5

<400> 17223

tgttagccgc cggcacagna ccaagactcg cgggtcgacg cangcctctn tactgattcg 60

naataacgac agaaggggga gatacggaag aatcagatca acgcatgcga ccaagtaaat 120

caaaatcggg ttgaagaaga aagagataag ctttcacatc aatttttgaa ggcgcgaaat 180

ggggaatact tcatcgatgc tgactcagta cgacatcgaa gaagttcaga gtcattgtca 240

tgatctattt gagcagcagg agattttatc tctgtatcaa cggttttgcc agttagatcg 300

aaacgcaaaa ggatttatat ctgctgatga gtttctctct gtgcctgagt ttgcgatgaa 360

tccactctct cagaggctgc ttaagatggt tgatggtttg aactttaagg attttgttgc 420

tttcttgtct gcgtttagtg ccaangctag tctaagacag aaagttcant tgatcttt 478

<210> 17224
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-038-Q1-E1-H10

<400> 17224

accaacanat aaacattaaa cccaaatgat atattttggt agatcaatcg acaatcatta 60

tacaacaatg atgacaaaaa cattggagat tgatttgaga tcagcagaag ggcttaagct 120

aaaccggaga cccatcaaga aaaagacttt cgccgtcgta aaaatcgacg agaaatgtcg 180

aaaatctaat cttgacgaat cgagaagaag caatcctaca tggaactata aatcagagat 240

gcccatcaat ggtaatgaac agtttatctt cattgaggta ttttatcgaa caggttctgg 300

gcatgataaa aaaatcggag aagctaaaat cccaacgaat gatttcatgg gaangtattc 360

acctgaaggt cacttaaact tcttgagcca tagattgaga aatga 405

<210> 17225
<211> 388
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-038-Q1-E1-H11

<400> 17225

ccggcgacga ntaccttcgc cggcaataat ggtctctgtg tagatagatc gtgaagaaga 60

ttagagaatc gaagaactcg tatcagataa gctaaaatca atgggtagcc aacgacgaag 120

atcggtgata gctttgattt tcatctgctg cgccatttct tctacctcat ctgatcaggt 180

tggaacaaat tatagagatt ctcatgaatt tttcgattcc gatacaattt gtatctctga 240

tcaatacatt atggagtctt atttcactac atacacttcc ttagacgact cagagtttcg 300

aaacttcttg cttcttcaac aatgttctga caaagttcct actcaagatt caaacattgt 360

tcctggaact tcatttagnc aacataga 388

<210> 17226
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-038-Q1-E1-H5

<400> 17226

gtttctgtga actcaaaaaa aaaatcaaat ccttttttgag tttcaatctc tgagagtttc 60

tatgaaacaa tcgtcatggg gttgcacaat cttcatccaa ttatctctat gtctcatcat 120

ctatgtgtct ctgcattcgg gtcacccatt cttcttctct agtgacgacg gtgacaatgc 180

cacacctcta gatcttcatt tcatctccgt tgccggcggt ttcaggcctc ttaaccacca 240

aactcgcctt ctccgattga tggagaaagt tgcagaaact tacaaggcca aatttgttgt 300

gagctcaagt gaacaaggag aagaagatcc attcctgcaa aatgcgactc gactgtcttc 360

ttcactgaaa cttccatggt acactagaat gaanggatct ggat 404

<210> 17227
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-039-Q1-E1-A1

<400> 17227

ctgtttacgc ctgcccgtac nggtccgaaa atcccgnggt cnacccacgc gtccgcncac 60

gcgtccgtan ggctgcgaag aagacgacag aanggaacaa ctcaggaaat catcaaggaa 120

ctgcctactg cattgaaaat cgttgatctt tcagcggact tccggttgcg tgatattgca 180

gaatatgaag aatggtatgg tcagcctcac aaggcagtat agttacagaa agaagttgtg 240

tatggtctaa canngatact aanggaggac atannaaaag gcacgacttg tggctaaccc 300

aggctgttac ncgactacga ttcaacttcc tcttgtncct ttactaaagg canatctcat 360

canacatgaa aacatcatta tcgatgcaaa atctggtgtt antggaccag gacgtggtgc 420

taaagangca agtctttact ctgagataac ctgaangcan ttcttcttaa ggtgtcaccc 480

gtcatcgcca tgttcccgaa a 501

<210> 17228
<211> 392
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-039-Q1-E1-A10

<400> 17228

agacactgtg acactctagc accttcagtt ccgtacaaca atggctctcc aagctgccta 60

ttctcttctt ccttctacca tttcaatcca aaaagagggc aaattcaatg cttctctaaa 120

ggagacgact tttactggtt cttcattttc agaccatctt agagctgaaa agatatccac 180

cctgttgacc atcaaggaac agagaagaca gaaaccgcga ttttccaccg gtattcgtgc 240

acagacagtt acagcaagcc cgccggcaaa cgaagcatcg ccggagcaaa agaaactgaa 300

agaaaaggac tgcattgatt actgggagct ccgncgggtt aaggttaagc tacnggcaaa 360

gcctttagca gacacaggga aaatggatgt na 392

<210> 17229
<211> 89
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-039-Q1-E1-A11

<400> 17229

acacactcct tttattaatc ataaagttca taaaattaaa caagaagact tttcattaaa 60

agtctcctat atttttggta agatactga 89

<210> 17230
<211> 459

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-039-Q1-E1-A12

<400> 17230

agnctctata actgatgtcg naataacgac agaaggggag atcaattctc agctgacatt 60

gaggtttatc tcagatcgaa atcgagaaga agatgtttct cactaggact gagtatgaca 120

gaggagtcaa tacatttttct cctgaaggtc gtctctttca ggttgagtat gccattgaag 180

ctatcaagct tggttctact gctattggtg taaagacgaa aganggagtt gttcttgcag 240

tcgagaaagc gtattacttc gcctttactg ggagccgagt antgttgana aagattatgg 300

gaaattgatg ancatataag gntgtgccaa gaattggcct gaantggctg aacgccccga 360

aaaacttgtt gagcaagcac caatntagna ccaaaaacac aanggttcnc ntaagggtga 420

acccatgact ggtntnaaac cacaacaaaa accnttttt 459

<210> 17231
<211> 385
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-039-Q1-E1-A2

<400> 17231

agatcagttt gggagaaagc agcatngaag aanaatggca gcaacatttg caacaccatc 60

gacggtgata ngcctcggag gatcatccat caccaccana cccttctctt cancctttt 120

aaaaccanca ttaagcgcca agaacccttt gagactcgcc ggtgcatcgg gaggaagagt 180

cacttgcttt gatangaant ggttgaggag agatttgaac gtggtacaga tttgggctga 240

tcggatggct agctccgtcg agcattccan cgataactgg gaaagagcct gacgggtctc 300

ntcttcgata gcntcggaan tgagctcgct cacttcncga ctcctccaac tctcacttca 360

cacttctggc tgtgggtggt tacnt 385

<210> 17232
<211> 369
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-037-Q1-E1-F9

<400> 17232

cctctctctc ttctttctct caaaattttc agagagagaa tcaaaccaaa attttcgacg 60

acggtaaatt gatgtcgtcg gtgatggttg aattgccgtc cggtgtagta tccggctttc 120

gtctgacata tattggcttc cacagcagta catgtcggcc cttgtctagc atcatcggct 180

ctttcagcgg tgatggctag ctcacggtgt taatccggcg tagttcggtt ttcttttcct 240

tttggtttat atcacggtta cgtttcgacc gttgattgtc tttagatnag aattcattgg 300

gtatgtgtgt tggtgaaggc gttggttttc aatccaagcn tgcttaataa atttaatcca 360

acctaacct 369

<210> 17233
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-037-Q1-E1-G3

<400> 17233

tctcactttg ttcatctaaa aactcctcct ttcatttcca aacaaaaact tcttttattc 60

tcacatctta aagatctctc tcatggcgat gtctttctca ggagctgttc tcactggtat 120

ggcttcttct ttccacaacg gagccaagca gagcagcttc ggcgctgtca gagtcggcca 180

gaaaactcag ttcgtcgtcg tttctcaacg caagaagtcg ttgatctacg ccgctaaagg 240

tgacggcaac atcctcgatg acctcaacga ggccacaaag aaagcttcag atttcgtgac 300

ggataaaaca aaagangcat tagcagatgg tgagaaagcg aaagactacg ttgttgaaaa 360

aaacagtgaa accgcagata cattgggtaa agaagctgag aaagctgcg 409

<210> 17234
<211> 387
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-037-Q1-E1-H1

<400> 17234

cgacanaagg gtacggctgc ganaanacga cagaagggta cggctgcgag aagacgacag 60

aagggtacgg ctgcgagaan acgacagaag ggtacggctg cgagaagacg acagaagggt 120

acngctgcna gaagacgaca gaagggtacg gctgcgagaa nacgacagaa nggtacggct 180

gcgagaagac cacagaaggg tacngctgcn ataagacgac agaatggtac ggctgcgana 240

agacgacaga agggtacngc tgcganaata cgacagaagg gtacggctgc cagaagacga 300

cagaatggta cggctgcnac aagacnacag aacggtacgg ctgcnagaaa nacnacacaa 360

ngtactgctg ccgaaaacac ataaggg 387

<210> 17235
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-037-Q1-E1-F8

<400> 17235

gcgtccgana cgacagaagg gggcagacgc agccatgggt atcgatctta tcgcaggagg 60

taagagtaag aagaccaaaa ggactgctcc taagtccgat gatgtctacc taaagcttct 120

cgtcaagctt taccggtttt tggtgaggag atctaacagc aacttcaatg ctgtgattct 180

gaaaaggctt ttcatgagca aagtcaacaa agctcctctt tcactctcta ggcttgtaaa 240

gttcatgact ggcaaggatg acaagattgc tgtgttggtt ggaactatca ctgatgattt 300

gagagttcat gagattcctg ccatgaangt tactgccttg aggtttactg anaaggctag 360

ggctagaatt gagaaagctg gtggagagtg cttaaccttt gaccaacttg ctctcagagc 420

tccattggga c 431

<210> 17236
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-037-Q1-E1-H12

<400> 17236

cagaaggggg aagacacaca tacacacact accgataaag aaaaaccaga gaagagagag 60

agataacaac aatggtttcc tcgcttctta tgtcatttgc tccggccacc gtgagggttt 120

acgccacaag cacaaaggga ggttcaggcg gcccaaagga ggagaagaat cccatcgact 180

ttgttcttgg gtttatgaca aaacaagatc agttctatga gactaatcca cttctaaaga 240

angtggatga gaaagaaggc accaccaccg gaggccgang aaccgttcgc ggtggtaaaa 300

actcagctcc gacncctgtg ccgaagaata agcgagggtg gatttggtgg cctantgaan 360

cctcctcaag ganatnttag naanaaantg gtntanttat tttgcattaa tcaagccnc 419

<210> 17237
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-037-Q1-E1-H6

<400> 17237

gcgtccgtac ggctgcgaga agacgacaga agggggacac agaaacaatc caaaggtgag 60

atctcttata gtttcgagat tcgaggaaga cttttggata cgatcagctt cagtcttcca 120

caacttaaca ttgctcaggg tgttggatct ttctagggta aagtttggag gagggaagtt 180

accttctagc attggagggc tcatccactt gagatacttg agcttatacg gagctgtggt 240

atctcatcta ccttctacta tgcggaactt aaagcttctg ctctttttga acttacgtgt 300

tgataacaag gaaccgattc acgtgccaaa tgttttgaaa gagatgctag agttgangta 360

cctttcccta cctcaggaaa tgggatgata aaaccaagtt ggaattgggt gatcantgaa 420

cctggagta 429

<210> 17238
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-037-Q1-E1-H9

<400> 17238

cgaanaagaa gatgatgaag ctcaaagtgt atgcagatcg nntgtcacag ccatcacgtg 60

ctgttatngt attctgcaan gttaatggaa tccagttcga tgaggtcttg atttccttgg 120

cgaagcgtca acaattatct cctganttca angatattaa cccattgggg aangttccag 180

ctattgttga tggcaggctt aagctctttg agagtcacgc aatcccgana tatctatcct 240

cggcgtttcc aantgttgct gatcattggt atccaaatga tctatccaac anagccaana 300

ttcactcant tttggattgg catcacacca cattacgtcn tggtngcaac tggatacgtt 360

ctgaataatg tactaagtcc anctctcggt cttcctccga aaccgaaag 409

<210> 17239
<211> 108
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-038-Q1-E1-A1

<400> 17239

ggctgcnaga agacnacaga anggtacggc tgcnanaaga cnacagaang gtacggctgc 60

nagaagacna cagaanggta cgctgccaga agacacanaa ggggactc 108

<210> 17240
<211> 259
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-038-Q1-E1-A11

<400> 17240

cgtcgtttct tatatcgttg ccagagagag tttgacggcg gagagatatg gcggcgttga 60

tggagtcagt cgtcggccga gctctaaaat tctcatcgac ggcgaatttc aggtcaatcc 120

gacgcggcga aacaccaaca ctctgtatca aatcattctc caccattatg tcaccaccgt 180

caaaagccat cgtctacgaa gaacacggct ctcccgattc cgtcaccana ttggtgaatc 240

tcccgccggt ggaagtnaa 259

<210> 17241
<211> 486
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-038-Q1-E1-A5

<400> 17241

ctgcccggna ccgaaccaan antcncnggt cnacccacgc ntccgcncan acntcngccc 60

acgcgtccgc ccacgcgtcc gcccacgcgt ccgtacggct gcgagaagac gacaaaaggg 120

taaggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga agggtacggc 180

tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggta cggctgcgan 240

aagacgacag aaggggataa agaanaagaa gctaacgaaa aataatggcg gagagatcaa 300

attcagagga agtgaagctt ttgggaatgt gggcgagtcc ttttagtcgg aggattgaga 360

ttgctcttac gcttaaaggt gtttcgtatg agttcctgga gcaagatatc acaaacaaga 420

actctttgtt gcttcaattg aatccggttc ataanatgat tccggttctt gttcataatg 480

ggtaaa 486

<210> 17242
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-038-Q1-E1-A8

<400> 17242

acgaaaccga gagaaacaat gggagacgct gcgatccgta ccgtcgtcga agccattcac 60

tcatctccga cgcaggccgt cgtctatctt tgcggcggtg cctctctggc tttaggttgg 120

ttgatgtcgg ttcctggagc gtcgaacacg cttctcgagt ccgtggttcc ttattcgaga 180

gtatctatgg ttcaattact cggcagggtt ccgagccaac actgtagcca agcattggcc 240

aaggagatgg ccttgttagc ctacaatcgg gcgcttaagc tctctaaacc aggatatccg 300

gttctcggtg tcgggtttac gggatcattg gtaacttctc gtcctaagcg tggagatnac 360

aggttctttt tgtctatgag agcatccgac ccggattttg gaa 403

<210> 17243
<211> 381
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-038-Q1-E1-B11

<400> 17243

ctccgttgga gtcacctgct ctgcttcatc ttctctgacg actcttccct ctgctcttct 60

cttcgattgc gatggcgttc ttgttgatac cgagaaggac ggtcacagga tctccttcaa 120

cgacactttc aaagagagag atttgaatgt tacgtgggat gttgatttat acggcgagtt 180

acttaaaatc ggtggtggta aagaaaggat gactgcgtat tttaacaagg ttggttggcc 240

agagaaagct cctaaagatg aagcagagag gaaagagttc atagctggac ttcacaagca 300

gaagactgag cttttcatgg ttcttatcga gaaaaagctg cttccgcttc gacccggtgt 360

tgcaaagttg gttgatnaag c 381

<210> 17244
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-038-Q1-E1-B6

<400> 17244

gtantaacga cagaaggggg aggtcaagga tgaggaaaca gaagcaactt ggtgatttga 60

tcaacgaagt cactcttctc aagaatgata acgctaaaat cactgagcag gttgatgaag 120

cttcaaagaa atacattgaa atggagtcta agaacaatgt cttgagggca caggcttcgg 180

agttggcgga taggttgaga tcattgaact ctgtgcttga gatggttgaa gaaattagtg 240

gtcaggcttt ggatattcct gagattcctg aatctatgca gaacccttgg cagatgcctt 300

gtccaatgca accaatcaga gcttctgctg atatgtttga ttgctgaaga tggatgattc 360

atatctgaag gatcaaaaat gaagcattga gttcgagtct ttggtctgtt ttacttactg 420

tcct 424

<210> 17245
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-038-Q1-E1-B8

<400> 17245

caancctcta tactgattcg naataacgac agaaggggga aggtcgtgag aaaagaaaaa 60

cacttctcaa tctttctaca gtcttcttct tccaaaagaa caccatcttc cttcgtaatg 120

tcagagaacc agtccgaaga agtccagcaa atcgagaagc tctatgagtt cagtgagcgt 180

ctcaatgcct ccaaggacaa gtctcagaat gttgaggatt atgaggggat cattaagatg 240

tccaagacta gtangaaggc aaagcagctt gcgtcgcagc taattcctcg ctacttcaag 300

ttcttcccta gtctctctac tgaggctttc gatgcgcata tggactgtat cgatgatgga 360

gatcttgggg tacgtgttca agccatccgt gggctcncgc tgttttgtaa ggatacgcca 420

gatattttat ctaagattgt tgat 444

<210> 17246
<211> 384
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-038-Q1-E1-C11

<400> 17246

atcgaaaaaa cccctaactt tgacatggaa ggagagattc aagactggga aatacttcag 60

agctcgagat ctaccacgga agatgacaat tcgaggagct tggaggagat tgatgatggc 120

acgcaaggta tgattaggtt tgatcatttc tctcttgaga accagagtgg tttgtctcgt 180

ttggangcaa acgatgaana tgggtctgtt caatcgggta gtccaggatg gatcgaacct 240

agctccgatg ttccttatgg tccgaagcat tttantgagt tatggtctga ttcangcagt 300

gatcggcttg atgatcaaga ggttagtgga tgatgatgtg aataacnana tgggtataga 360

nagaaacgaa gtgggtantg ttga 384

<210> 17247
<211> 233
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-038-Q1-E1-C12

<400> 17247

gaaaaagaga tggaaagaaa aaagttttct tcaaaattta ttcatttgct cattgtgttt 60

ttgcttcttt gtacgtttct ttctcgtacc gaatctgctc ttccttatca ccatgaactg 120

ttcttgggga ggaagcggat gaattattat aagcccaaca gtgccatagg aacancatca 180

tcanctagtg accacgctcc angcagtaat gggaggaagt tgatgagtgt ana 233

<210> 17248
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-038-Q1-E1-C2

<400> 17248

catantacga cagaagggga tcaaaggggt ttttagggtt tcgtcactcg ccgataatcc 60

tctctctcta gaaaacatga ctgccgaaca gaaagtggag ctcgccgcca aattggaaga 120

gcagaagatc nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nccggtggcc ggtcaaagca 240

aagcagaagt gagaaaaaga gtcgtaaagc tatgttgaag cttgggatga aaccaatcac 300

tggtgttagc cgtgtcaccg tcaaaaagag caagaatatc ttgtttgtga tatcaaaacc 360

tgatgtgttc aagagtccag cttcagatac atatgtgatc tttggtgagg ccangatag 419

<210> 17249
<211> 81
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-038-Q1-E1-C3

<400> 17249

actgattcgn aatacgacag aagggatctg tttgttggga agcgttagtt gttgttagtt 60

tcgatgggac ttcatcgacc a 81

<210> 17250
<211> 179
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-037-Q1-E1-A5

<400> 17250

gaagggtacg gctgcgagaa gacgacagaa gggtacggct gcgagaagac gacagaaggg 60

tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga agggcacggc 120

tgcgagaaga cgacagaagg gccnnnnnnn nnnnnnnnnn nnnnnnnnnn nnngcggcc 179

<210> 17251
<211> 346
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-037-Q1-E1-A7

<400> 17251

ggctgcgaga agacgacaga agggtacggc tgcganaaga cgacagaagg gtacggctgc 60

gagaagacga cagaagggta cggctgcgag aagacgacag aagggtacgg ctgcgagaag 120

acgacagaag ggtacggctg cganaagacg acagaagggt acggctgcga gaagacgaca 180

gaagggtacg gctgcgagaa gactacagaa nggtacggct gcganaagac gacagaaggg 240

tacngctgcn anaagacgac agaagggtac ggctgcgaga atacgacana agggtacngc 300

tgcganaana cgacagaacg gtacggctgc nanaagacga cagaac 346

<210> 17252
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-037-Q1-E1-A8

<400> 17252

ggaactcaga atggtactct cttgttgtat tcatggggat ttttcaagga ttgcagcgat 60

cggtttgttg atctcgctcc aaattccgtt gatgctctac tgaagctcga tgaggacaga 120

cttatcactg gatgtgataa tggaataatt agccttgttg gaatactgcc caacagaatc 180

atacagccga ttgggtcaca cgactaccct atcgaagatc tcgctctttc gcatgataag 240

aaatttctcg gtagcacagc tcatgacagt atgctgaagt tgtggaacct agaagagatt 300

ctagaaggtt ctaatgtcaa ctctgggaat gcatctggag ctgcagaaga cagtgacagc 360

gacaatgatg ggatggacct tgacaatgat ccttccaagt cttccaaagg cagca 415

<210> 17253
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-037-Q1-E1-A11

<400> 17253

agacatttct tccctctgga tctccaaaag taagaacatt tacaagaaac gagaggtttg 60

ggtggggaag gaaagaagga ggaagaggca atgtcagcta ggtattggtg tcacatgtgt 120

tcacaaatgg tgaatccagt tattggtgcc gagatcaaat gccccttttg ccaaagcggg 180

tttgtcgagg aaatgagccg tgagattaat ggcggcagca gtagcagtct aagggaggtt 240

caagaccctg agattgattt tggtacagac cgtgcattgt ctctatgggg tccaatcttg 300

cttggaatga tgagtaatcc cgtnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnn g 409

<210> 17254
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-037-Q1-E1-B11

<400> 17254

cgtaggttga tatttaacaa ggaatggcaa aggaaggggg cttgggagag aactcaagat 60

ggagtcttgg aggcatgacc gctcttgtca ctggtggctc taaaggcatc ggggaggctg 120

tggtggagga actagccatg ttgggagcaa aagtccacac gtgtgccaga gacgaaactc 180

agcttcaaga acgcttacgt gaatggcaag caaaagggtt tcaggtcacc acttctgtct 240

gcgacgtctc ttctcgtgac caacgagtga aactcatgga aactgtttcc tctctctacc 300

aaggaaaact caacatcctc gtcaacaatg tgggaacgtc aatattcaaa gccgancaca 360

gagtatacag cagaaaaatt cncctttgta atggctacaa atcnccaatt c 411

<210> 17255
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-037-Q1-E1-B2

<400> 17255

tgttagcttc cggtgccgtc cgnaattcaa gggtcgaccc acgcgtccgc ccacgcgtcc 60

gtacggctgc gagaaacgac agaangggga gaacaactaa gttaaaggga aagcaaaaat 120

gggctgcatc ggtgttgtga atgtaacaag cataaatcca tatctcacaa gaagatcaaa 180

caaaccctac aattcaagaa gaccatcatc catggctgct gcgattagag ctgagtctac 240

tgagaaatta gggattacaa ttgaaaagaa tcctcctgag tccaaactaa cccaactcgg 300

tgttcgtagt tggcccaagt ggggttgtcc tccaagcaag tttccatgga cttacagtgc 360

aaaggagact tgttatttac tacaaggaaa gtgaaagtgt accctaatgg atccgatgaa 420

ggcgtagaga tcgaagcagg cgactttgtt gttttcccta aaggaatgag ttgcacttg 479

<210> 17256
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-037-Q1-E1-C10

<400> 17256

gacagagaga tcttaacaca aaacaaagca aacaccaaaa aaaacagaga tgggtttggt 60

tacagatgaa gtgagagcta gggcagagaa atacacagga gatgagatat gccgtgagaa 120

gacaaaggag tttctcaagg aagtttctat gcctaatggt ttattgccat tgaaggacat 180

tgaagaagtt ggttacgaca gagagacagg tattgtctgg ctgaagcaga agaagagcat 240

cacccacaag tttgaagcca ttggtaaact tgtctcttac gccaccgang tcattgcaca 300

agtggaagtc ngaaagatna agaagcttac cggtgttaan gccaaaggag cctcctaatt 360

tgggtcactc tcaatgaact tgtccttgga ancaaccgac aaagttcaag ggaaaatt 418

<210> 17257
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-037-Q1-E1-C2

<400> 17257

ctgtttacgc ttcccgtagc cgtccnaaaa ttcangggtc gacccacgcg tccganacga 60

caanaagggt acggctgcaa gangacgaca naaaggatac ggctgcgaga agacgacana 120

aagggcgggg agagcgaggg ttgttgctca atgggctgat cctgaatcca aaatcaaaga 180

agccatcnaa gcttgccctg tatactgcat ttcaatggtg ganagatctg accttgctcc 240

attggagttc cntatgtcaa agcaaccacg aggcaacgtg aggatcgggg ttggaaacac 300

ggttggtgag cgtgtctcca atgtatttgt tgatgtcaag aagttccaag aaagatacgc 360

taaagctatg agcagaacca cannagagac ctcccagaga gaagtacana taagtgcagt 420

agaagcgatt acgtccattt ccaattggct atactggaga tcatcaccgt acacgaaacc 480

attgagt 487

<210> 17258
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-037-Q1-E1-D4

<400> 17258

ctgtttacgc ttccngtagc cctccgaaat tccaaaggtc nacccacccg tccgtacggc 60

tgcgagaaga cgacagaagg gggaagaaga gaanaagaag aaccttacaa ttgcttttgt 120

aaatattgta ggtagtttaa ggacgtcact acctacatac atggatttat gtggaactca 180

gatgctgcgc ctctcatcgc ctcatttcaa aacccttcat ttggtgaggc atgcacaagg 240

agtccacaat atagcattag aagagaaggg agagaaacct gaatcagaaa ggctttttga 300

cgcccacctt tctccaaagg gtttgcaaca ggtttcggaa aggcgcaacc aaatccttga 360

atcaggatta cttaacactg tcgagttagt gataacctct ccgctgtgca gagcaatgga 420

aacttcaata ggaatattta ggggacaagg atatgtcaat atatccgaag actttgcaan 480

<210> 17259
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-037-Q1-E1-E1

<400> 17259

ngtagccgtc cgaaaattca aggggctgcg agaagacgac agaagggtac ggctgcgaga 60

agacgacaga agggtacggc tgcgagaaga cgacagaagg gtacggctgc gtgaagacga 120

cagaagggct agttttgctg tcccaatata taatcgggtt ttatgtccag catctccgac 180

ttccggagtt gtgatggctg gccctctgtt tggcatcatc cggcttctat aaggagcgtt 240

ggccagcttc gtcgtttttt ctagtcgtcc ggtgtatgag gttcgtatca cgtttaatat 300

tcgctgtttg gttattataa atccagtaga tccggttatg tctctacttt tgttcaatta 360

tttcgaggat taatagttct gctccggtgg cctctaacaa ggttatgtgt tgatagcttt 420

gttggatcta catgtttctt tcgatttant tgtcaaaaca gttctgc 467

<210> 17260
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-037-Q1-E1-E3

<400> 17260

actgttacgc nttccggtag cccgncagan nttcnagggt cnacncacgc gtcngtacng 60

ctgcgagtaa gacgacagaa gggggaagca gaagtaacgg caaccaaaaa tgacgacaat 120

ggcgacacaa ggcgcttggc tacgaatgac ctcatcagcc aagtccatga ccaagtcaac 180

cgtgacttca aaggagcttg gattcctcac ctcccagctc agcggcttaa gaatctcata 240

tactcccagt gacgtcatca accgtatctc ccttccttcg ttccccggga ttcagccant 300

cgtcgcacgt agaatctgcc cttttactgg gaagaaagca aacagagcaa acaaagtttc 360

attctctaac cacaagacca agaagttgca attcgtcaac ttacaataca ngagagtttg 420

gtgggaagct ggcaaaacgt tttgtcaaac ttcgtttatc aactaaaggc tttgaagacc 480

atttgag 487

<210> 17261
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-037-Q1-E1-E5

<400> 17261

tacggctgcg agaagacgac agaaggatac ggctgcgnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnngtgctgg aagtagccga cgtagcatgg accgcggtgg 180

aaacttnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnngtcaacg aatccaattt 240

ctgatccacg agatcgtgaa ttagaagctc ttcgtcaaga gaatcgtcgt ctcaggactt 300

tgcttgaatc gaatcttaaa ctctttgaga ctctcgctga atctgctgcg ttctctcatg 360

attgccctag cgacctctat gctaggcttg taacgatggt tact 404

<210> 17262
<211> 128
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-037-Q1-E1-E9

<400> 17262

attcccagat gatttacctt gggaacagag gaatattgtc tctcatcatg tatttggttt 60

ggattgtttg ttcatttgtc attacaatct attgacttta taagacaatt tgaatggtca 120

tttggcta 128

<210> 17263
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-037-Q1-E1-F11

<400> 17263

ggaaagctta cacaatcacc aagtctagag agagttggac tgaaggagaa cacgacaagt 60

ttctggaagc tcttcaattg tttgatcgtg actggaaaaa gatagaagat tttgttggtt 120

caaagacagt tattcagatc aggagccatg cccaaaaata ctttctaaag gtccaaaaaa 180

atgggacttt agcacatgtt ccacccccta ggcctaagcg caaagctgct tatccatatc 240

ctcaaaaggc atcgaaaaat gctcaaatgt cgcttcacgt ttccatgtcc tttcctactc 300

aaataaataa cctgcctgga tatactccat gggatgatga tacatctgca ttgttaaaac 360

attgctgtaa gtggggttat tccaccaaga agatgaactt gatactcctt gtg 413

<210> 17264
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-037-Q1-E1-F2

<400> 17264

ctgttacctt ccgtncccgt ccnaaatcaa gggtcgaccc acgcgtccgg gacgacagna 60

agggttntgg ttaagggtna aatgccactc gaacccagag ctagctggtt ctccccgaaa 120

tgcgttgatg cgcagcagtt gactggacat ctangggtaa agcactgttt cggtgcnggc 180

cgcgagagcg gtaccaaatc gaggcaaact ctgaatacta gatatgacct caaaataact 240

ggggtcaang tcggccagtg agacggtggg ggataagctt catcgtcgag agggaaacag 300

cccggatnac cagctaaggc ccctaaatga ccgctcagtg ataaatgang taagggtgca 360

gagacagcca ggaagtttgc ctagaaagca gccacccttg anagantgcg taatagctca 420

ctgatcgggc gctcttgcgc ccaanatgaa cggggcta 458

<210> 17265
<211> 392
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-037-Q1-E1-F6

<400> 17265

gtcttcagtt ccaatggcgt cgtgtattgc tactgctcct ctttctctat ctggcgtgtc 60

tcaatctcat tatgtgaaag ctaatggatt gtctacaaca acaaaactca gttctatttg 120

taaaacctct gatttgacta ttcacaagaa atcaaaccgg actcgcaagt tttctgtttc 180

tgcagggtat cgagatggaa gtagaagcgg aagcagtggt gatttcattg ctggttttct 240

tctaggaggt gctgtctttg gcgctgttgc ttatancttt gctccacaga tccgaanatc 300

ggttctaaat gaanaagacg antacaattt tgagaanccg aaacaccaac gtactacnat 360

gaaggtttan aggaaancaa ggagagacac tg 392

<210> 17266
<211> 542
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-034-Q1-E1-H10

<400> 17266

actggttttn ctttgcctag gcctaccggn aaggaaatcc cgggtcgacc cacgcgtccg 60

cccangcgtc cgcccacgcg tccgtacggc tgcgaaagac gacagaaggg ggatccttcc 120

aaagaatctc caaaatccct aaacttcgaa aatggcagaa accgccgaga caatcaacac 180

cacgatctca tcgccgccac cggaatccga aagctccacc actatttctg caatgacaga 240

tccaacatct caagaagcag cctcaaaaga cacagatctg acgaaagaag ccgantcaga 300

gaagaaacca ggaggaatct ctctccgaat ctggccaccg actcagaaaa ctcgcgacgc 360

cgttctgaat cgcctgatcg agaccttatc caccgaatca atcctctcta aagagatacg 420

gtactcctta aatctgacga tgcaaacaac gttcgccgaa aactttatcg aaagaaagaa 480

ggcttaaggt ggtttccctt cgaaatgctg ttgttcaagt tgattganga atgggaatta 540

aa 542

<210> 17267
<211> 516
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-034-Q1-E1-H2

<400> 17267

ntggccctac aattccgaaa tcgacccacg cctccgccca cgcgtcnnta cggctgcgag 60

aagacgacag aagggtacgc tgcgagaaga cgacanaagg atacggctgc gagaagacga 120

cagaanggta cggctgcgag aagacgacag aanggggaaa acgaaagttc cgaagaanaa 180

gaanaagaag gagaaaagat gatttaccga aagtggagtt tgctgtccgg cccaccggtt 240

atcctcggcg gagcggtaat tgctgccgtc nccgtcggat tcgtcttgca aaacgtaacg 300

aaaggggggag cagaanaaga atgtctcaac aaacaaggtg agaagacaaa tggagagatg 360

ctacanaatg tggtgatcat gtgatttgat acaatttagn tcatgcagtg ttataagctc 420

aataatgcct ttngtaanct tttgaataca cagctctttg tggggttttt tangattccn 480

tgttaccaan taatgataat tcnattttcc aaaaaa 516

<210> 17268
<211> 515
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-034-Q1-E1-H3

<400> 17268

aactggtttg cctggcccta cngctccgga aattcccagg tcgacccacg cgtccgccca 60

cgcgtccgtc gctgcgagaa gacgacagaa gggtacggct gcgagaagac gacagaaggg 120

ggtcctttca acaattcaat ggcagaccca agagttgcag ttgttactgg ttccaacaaa 180

gggattgggt ttgagatttg caggcaacta gctaacaatg ggataactgt ggttttaact 240

gcgagagatg aaaacaaggg tcttgctgct gtccaaaagc tcaagactga gaatggtttt 300

tctgatcaag ccatctcctt tcaccctctt gatgtctcca acccagacac catcgcttct 360

cttgctgctt ttgtcaagac ccgcttcggc aaactcgata ttctggttaa taatgccgga 420

gttggagggg cgaatgttaa tgttgatgtt ctcaaaagct caaattgctg aggctggtgc 480

gccaactgat attccaagat aatgaagtga tacat 515

<210> 17269
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-034-Q1-E1-H5

<400> 17269

agaaggggga agatggcagt gagacaaaaa gcaatggcga cgttgccgaa actgattcaa 60

agcatgagaa acgaagttac gaagcagccc agtcttgtcn taccatctct cagaagagct 120

ttctctctct acgatcagat caatctcatc gataacgttc ctgaggatca gctccgattt 180

caggagtatt catctctctc agtcatgttc ctaatttgac taagtancaa gggaatttgg 240

attttcgggt atgaaatgaa tcaattaatg ggtgcttttt gcaggtttga tganacnant 300

ttcacngtga atggggttaa attcgaaagg aagcntgcnc cgtgttgggg aatttgctaa 360

tgtnatggaa ncctcgttac ttctccgaca tcacnacggn taggnccnag taccancttc 420

tccttctctc agc 433

<210> 17270
<211> 524
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-034-Q1-E1-G6

<400> 17270

gtttgccgtg nccttgggcc cctacaantc cggaattccc gggtcgaccc acgcgtccgt 60

acnagctgcg agaagacgca gaagggggag actcagaaaa aaattcaaaa tccgtaaatc 120

tgatgatgca ttccgtttca cggctcgcga ggaggttctg tgcaacgctc gctactgcta 180

cggcggagat tagcggcgag gctgctgctt ctgttccgac gaaggcgaaa aagcatcggt 240

caatatacaa gaaactctca agccttggca cgaggggagg agggaaaatg gaggaaacgc 300

taaatcagtt cgtcatggaa ggcgtacctg tcaaaaaaca cgacctcatt cgctacgcaa 360

aggatcttcg caagtttcgt caacctcaac gcgctctcga ggtctttgag tggatggaaa 420

gaaaggaaat agcgtttact ggcagcgatn acgcgattcg tttgaatcta attgcaanag 480

agtaaangct tanaggcggc tgagacctac ttcaacagtt taga 524

<210> 17271
<211> 392

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-035-Q1-E1-A1

<400> 17271

tgtggcaagg ctacacttgt gtttgcactt gattatcttt tcaagacaac aaaaaagaag 60

tcagcgacga tatccgtaga cgatttttac ttgactgcag aaggccaggc tgaattgaga 120

aaaaagaatc caggaaatgc acttctagag tatcgtggaa atgcaggaag tcatgatctg 180

aaactttctg ttgaaacact agaagccctg tcgaaactga ccaaagaagg cttaaagatg 240

aangtaccta agtacaataa agtctgccta tagtgggana ngtgacaagg gccgaatcat 300

caacatggnc tgaagttnaa aggaacctct anccgggtta attccccttt gangggatgg 360

gatgncttgg gnttttaaag cctcttccaa gc 392

<210> 17272
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-035-Q1-E1-C6

<400> 17272

gctttgcaaa ctctacactg cttcgtcnct tagctcgana ttgatctccn taaaatggcg 60

tcagagaaga agctctcgaa ccccatgatg gacattaagg ttcacaaact tgttctcaag 120

catttccgtt ggtganagtg gtnatcgtct cactcgtgcc tccaaggngt tgggagcacc 180

tcagtggaca aacccctgtc ttctctaagg cgaggtacac tgtgaggtct tttggnatca 240

ggcntaatga aaanattgcg tgttatgtga ctgtgagatg tgaganngca atgcancntc 300

ttganagtgg tttgnaantt aatgagtatg agcttcttan gaggagcttc agtgacactg 360

gttgcnttgg atttggtatc caanaacaca ttgatcttgg gatcaaat 408

<210> 17273
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-035-Q1-E1-E4

<400> 17273

tttagtnagc ccggcccggg ccgaaactac ccgggtccnt ccacgcatcc gtaacggatg 60

ncnannaaca ncagaagggg ttggntcaac catgatgaat gcgaagaccc atacttgcgt 120

ttagtatatg cttcgtcatg ggctatatct gtttactatg ccttccaacn aacttggaag 180

cctttcaatc ctattcttgg ggagacatat gagatggtca accatggtgg gatttctttt 240

atttctgagc aggttagcca tcatccacca atgagtgctg gtcatgccga gaacgagcac 300

ttcatttacg acatcacatc aaagttgaaa actaaacttt tgggtaactc tgttgatgtt 360

taccctgtgg gaagaacgcg tgtaaccctc angaaagatg gtgtggttct ggatttggtg 420

ccgcctctca ctaagattca caatctaata tttggacgaa cctgggttga ccacctgggg 480

aaatgggcat gacaa 495

<210> 17274
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-035-Q1-E1-F4

<400> 17274

cactttggag atttttctaa cgcagaatct gagaataagc taaccgattc cgatttcgag 60

ttcgtcgccg ggaggaatga nccggttgaa tgagcaaaan gggcccaant tcgacggcga 120

anaatcacct ccgcctgatt ttgatgaana tcgaagtgtg ggtgaggtag acggaggaga 180

tcacacgcca ttcgctggan gtaaagtcag aaagaaagcn tctcgctata nagagcatcg 240

tggtgactat cttcacgttt cttctcntcc tggattgaag cnaattctgg agaaacaagg 300

tgatacatcg attctttttg ctgataaagt tttgaagttc accggctcgg ggaanatgaa 360

acggcgtatt tttatcctca ctgattttgc gatctancta 400

<210> 17275
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-035-Q1-E1-F7

<400> 17275

aaaaaaaaaa nnacacacaa cagtttcaat ggccgcctca acaatggctc tctcctcccc 60

tgctttcgcc ggaaaggctg tnaacctttc ccctgcggca tcagaagtcc ttggaancgg 120

ccgtgtgaca atgaggaaga ctgttgccaa gccaaagggt ccatcatgca gcccatggta 180

cggatccgac cgantcaagt acttgggtcc attctctggc gagtcaccca cnctaccttа 240

ccggagagtt ccccggagac tacggatggg acacagctgg tctatccgct gaccccgaga 300

cattcnnaag gaaccgtgag ctagaantta tccanagcag gtgggccatg ntcnganccc 360

tanggtgcgt cttccccnaa cctttg 386

<210> 17276
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-035-Q1-E1-G2

<400> 17276

cnggtccgaa actaacgggt ccacgcangc ctcnntngag aatncnacat aaaggggggg 60

gtcgcagtga ccaggcccgg gcgactgttt accaaaaaca caggtctccg caaagtcgta 120

agaccatgta tgggggctga cgcctgccca gtgccggaag gttaaggaag ttggtgacct 180

gatgacaggg gagccggcga ccgaagcccc ggtgaacggc ggccgtaaca ataacggtcc 240

taaggtagcg aaattccttg tcgggtaagt tccgacccgc acgaaaggcg taacgatctg 300

ggcactgtct cggagagagg ctcggtgaaa tagacatgtc tgtgaagatg cggactacct 360

gcacctggac agaaagaccc taaagactgt cccaagggaa gcttttacct acttagatgg 420

ccaaaagaag tttgtcgaaa tcnaccataa tgatttgtat ccatatctac tantcaac 478

<210> 17277
<211> 378
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-035-Q1-E1-H1

<400> 17277

agtaagagag acagagagag agatgagtag cttcacgatt ccatctcctt cctccttctc 60

tctttccaat tcatataatc aaacctctcc tcattccttc actctccgca attctcgttc 120

caattttgag ttccaccggt tacgattaga tgtggagtct cgaagaagaa gcacttcttt 180

acggtccaat tgctccacca aaggtacaga ttcaggtgaa aatgagaaca aaagtgtgtt 240

agatgctttc tttttgggga aagcattagc tgaggttatc aatgagagaa ttgagtctac 300

tgttggagaa atgttgagta ctaatgggaa gtttcaagct gagcaacang gaacaattca 360

agagattcag ggagaggt 378

<210> 17278
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-035-Q1-E1-H2

<400> 17278

attggattcg ggggaacact tgggaatgag agaattttca ttgatgaaga ctttgctaaa 60

atcacagtcc gtcatcatgc agttgataaa acttaccaat caggctctct tttcccaaac 120

canggttatt taccaagtag aggctttggt tctaagatat tgaagcatgg gggttaggtg 180

gaaacaaggc tanggaaatt caacaaaaat accaagaaaa gagaagagct tttcactaac 240

caacgtcnaa agatngactt gaaaacgttt acgaactggg aagattcacc tgagaaaatg 300

atgatggata tgatgggtaa tcctaatgct cctagaaagg gaagaagaag taatgaatga 360

aaanacgaga actgggtttg atatatacac acntatacct tggttg 406

<210> 17279
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E1-A1

<400> 17279

gaagggtacg gctgcgnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnngcg gccgctctan 120

aggatccaag cttacgtacg cgtgcatgcg acgtcatagc tcttctatag tgtcacctaa 180

attcaattca ctggccgtcg ttttacaacg tcgtgactgg gaaaaccctg gcgttaccca 240

acttaatcgc cttgcagcac atcccccttt cgccaagctg gcgtaatagc gantaggccc 300

cgcacccgat cgcccttccc aaacantttg ccagcctgaa ttggcnaaat ggggaanccn 360

ccctgtagcc ggngcaatta agccccggcg ggtgttgtgg ttaacnccca aacgtgaccg 420

ctaacacttg ccancgc 437

<210> 17280
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E1-A3

<400> 17280

caaaatcgtc cattgaagtg aacagtcagc atcgttttgc ttgcttgtgc gtttctctcg 60

aactctctcc atggctgttg cgctccaatt cagccgatta tgcgttcgac cggatacttt 120

cgtgcgggag aatcatctct ctggatccgg atctctccgc cgccggaaag ctttatcagt 180

ccggtgctcg tctggcgatg agaacgctcc ttcgccatcg gtggtgatgg actccgattt 240

cgacgccaag gtgttccgta agaacttgac gagaagcgac aattacaatc gtaaanggtt 300

cggtcataag gaggagacac tcaaagctca agaatccaag agtacancaa ntgatataat 360

tgggngacac tgaaaacaaa ttggtatacc taatccttgg ggaaatgtta ccggtgaaac 420

nccc 424

<210> 17281
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-034-Q1-E1-C2

<400> 17281

tggtttgcct tncctacggc ctccggaaat cccnaggtcg acccacgcnt ccgcccacgc 60

gtccgcccac gcgtccgtac ggctgcgaga agacgacaga aggggaaaaa taaaaaaaaa 120

aacagagaaa aggagatatg gaatcaatcg gagtccttat gatgtgcccc atgtcctcct 180

acctcgagaa cgagcttgag aagcgcttca accttcttcg cttctgaact tctccggaga 240

aatccgtcct cctagaaact catcggaact ccatccgcgc cgtcgttggg aatgctctgc 300

cggcgccgat gctcagctca tcagcgatct gcccaacctt gagattgtat ccagcttcag 360

cgtcgggctc gacaagatcg atttggggaa atgcaaagaa aaaaggggat ncgcgtcacc 420

aacacccccc gacgttctca ccgaaagacg tcnccagatt tcgccatcgg gcttatcctg 480

gntctccttc gacgggctnt tgtg 504

<210> 17282
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-034-Q1-E1-C3

<400> 17282

gcntacgggc cccggaaatc ccanatcgac ccacgcctcc gcccacgcgt cagcccacgc 60

gtccgtacgg ctgcgagaag acgacagaag gggaaaaata aaaaaaaaaa cagagaaaag 120

gagatatgga atcaatcgga gtccttatga tgtgccccat gtcctcctac ctcgagaacg 180

agcttgagaa gcgcttcaac cttcttcgct tctgaacttc tccggagaaa tccgtcctcc 240

tagaaactca tcggaactcc atccgcgccg tcgttgggaa tgcttctgcc ggcgccgatg 300

ctcagctcat cagcgatctg cccaaccttg agattgtatc cagcttcagc gtcggggctc 360

gacaagatcg atttggggga aatgcaaaga nnangggatt cgcgtcacca acacncccga 420

cgttctcacc gaaagacgtc ncagatttcg ccatncgggc ttatcctggc tctccttcna 480

cg 482

<210> 17283
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-034-Q1-E1-D1

<400> 17283

actggttgcc tgtcctacgn ccccggaaat cccanatcga cccacgcctc cgtacagctg 60

cgaaaagacg acagaanggg ggggttgggt ttcttctccc ttcctacatc ctctctcttc 120

tctttctcta cactttcatc taatggccgg cctgagatgg aganagtggn ggaacacgat 180

ggccttcccc acccggcgta tctggaatcg tttcaccgtt cgcgtcgggt ttcnacacag 240

cggacttttg aggttanaac atgacgtgag ttcttgcgag tatgaagaca tacacntaat 300

gtggaatttg ttacacanga atgnagatct tacacgcgta caatccaaca acaacancna 360

caagaggaag aaancttgtt ggaaccttcc ttggttcgta tcnttgccaa agattctgat 420

tcgtnttatg atataannca nancattgtt gtatttgaga nagnctttac tggtcccttg 480

caattntggt gttggtttna tgacaacttt 510

<210> 17284
<211> 509
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-034-Q1-E1-C1

<400> 17284

cctggggccn aggaattccc anatcgaccc acgccctgcg cccacgcgtc agcccacgcg 60

tccgtacggc tgcgagaaga cgacagaagg ggaatcactc gaaaactcat caaatcaana 120

atcaaacaca gagaagagaa aatggccgca gaaggagaag ttatcgcttg ccacaccgtt 180

gaagattgga ccgagaagct caaagccgcc aacgaatcca agaaactgat tgtganagac 240

ttcactgcaa catggtgccc accttgccgt ttcattgcac ccgtctttgc tgacttancc 300

aaagaagcac ctcgacgtag tcttcntcaa ggtcgatgtt ngacganttg aacaacnggt 360

tgctgaggag tttaaaagtt caagcaactg ccaacgttta tcttcatgaa agnaangana 420

nntcaaggga gaccgtnggn ttggtgctgc ctaaagaaga aatcattgca atctcgaaga 480

aancacaaca cagttgttnc tgccgcttg 509

<210> 17285
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-034-Q1-E1-D10

<400> 17285

ggctgcgaga agacgacaga agggggagaa agaaagcgaa acttcgctgg cgactaaaga 60

ttgctgagaa gacacgtcgt ctctgtgaga acttttttctt tttcttctgg tatattctgg 120

agacagatat tgttttttcn tctgattaga agaataatat gacggaagtg attancaaaa 180

cgagtttgtt cntaagagct tgtggtaatc atcaccgtgt tgatgatttc cccttccccc 240

cggtnagttt tggtgggttt ggttttaaaa aaaatttccc ctgtctgaaa ccttaaaatc 300

aagaaccccc ttaaaaantg taattttacg ggaaaacaag atngttttcc ggagaatcnc 360

aaagacgaaa agcttcaaaa agatnatcca gctatcacaa gctcanacaa ctttgaggga 420

ttgggacaan ctcaaaa 437

<210> 17286
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-034-Q1-E1-D3

<400> 17286

cgacagaagg ggacaggcgg agaaatcaaa anaccaaaaa tccaatcttt ggattcttac 60

ttctacgatt tgtgtgtttc ctcaaaccca antgtctcgt ctcccgattt taatcgcttc 120

gtgtctcttc ctctcttcac tcaccgccgc cgtcgtcacc gccgccgaat ccgatactcc 180

gacggcttat tcactcctcc aaagctacaa cttccccgtc ggaatccttc caaaaggagt 240

cgtagcttat gatttagacn cancaacagg caanattcca tgcctntttc nacgattcat 300

gtngcttcaa tctttgttgg ttccttanca nttgaatnta caaatcaacn ctcaagtggt 360

ttacatctcc ggagaancna agctcangaa atttgcnngg ttgtttaaaa gtccaaagtt 420

ttgttcnttg gtggcctaaa c 441

<210> 17287
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-034-Q1-E1-D5

<400> 17287

gcgtccgtac agctgcgaga agacgacaga agggggggact tgctgctaca ggtgcaaccg 60

tgcgcctccg ggtacgtacg gaaactacga caagtgccag tgctacgcta gcctcaccac 120

ccacggtgga cgccgcaagt gcccanaaga agaaacanag ctcttaattg ctgcagataa 180

tgggacgatg tcgttttgtt agtatttact ttggcgtata tatgtggatc gaataataaa 240

cgagaacgta cgttgtcntt gtgagtgtga gtactgtatt aataatggtt ctatttgttt 300

ttacntgcan gttttccttg ttttgaaatt ttgtttttt catatttgta tatcgattcc 360

gtgcattaat tgtagtaatt caatttgtaa taagattatg ttaccctann nnnaaancnc 420

anngaggggc cnttgtnagc naaaaacccg ggcgccccta naaggattcc a 471

<210> 17288
<211> 529
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-034-Q1-E1-E1

<400> 17288

aactggtttg ccttggncct acggccccgg gaaatcccaa agtcgaccca cgcctccgta 60

cngctgcgaa gaagacgaca gaagggatgg tatcacaata ttccaagaaa gtcgatgaga 120

ctctgaagct aggactcaaa caagctgtac ttgtcnggtt gttcttcgga ggactaaacg 180

cagctttcac attatctgtt attacggttg ttanttatgg agcatactta acaatatatg 240

gttccatgac cgttggagca ttcacttcct tcagtcttta tagcctcaca gttggttcat 300

cggtatcctc cttatcgagt ttgtacacaa ctgccatgna agctgcaagc gcnaagtana 360

cnaatttttc aagatcttgg gccngtgttt cctagcatgt tcaanttcan ggggataaag 420

tgtcccnntc cgtaatcccg atgggagaat gtnggaantt aaatgatgtc cngggtttgc 480

ctaaccctct ccgtccctaa tcacatgatc ctcaanggga ataccttttg 529

<210> 17289
<211> 472

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-034-Q1-E1-E12

<400> 17289

gcgtccgtac ggctgcgaga agacgacaga agggggcttc ttttgtgatg ggatacttct 60

tattgttcgc tgttgctttc atgtgtttgg atgcgagaac ggacaaaacg caagattata 120

cgtcgtttca gtaccataaa ggagctctcc tcaccggaga cgtttccatc aacctaatct 180

ggtacggtaa gtttaaaccg tcgcagcgtg caatcgtaac cgatttcgtt gcttccctct 240

cgtcttcccg gagatcgacc atggctcaaa atccctcagt cgccacgtgg tggaagacgg 300

tggagaagta ttaccaattc cgcaagatga ccacgacacg tnggactcaa gtctctccct 360

cggagaacag attcctcgaa caaagggata ctcaatggga aaatctttaa caagagaaaa 420

aacctcaaag acttggccgc aaaaggtggc caaagctacg cggttaacgt cn 472

<210> 17290
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-034-Q1-E1-E7

<400> 17290

atggagctct gcaccaggtc taccacaatc atcactcatc tccctgcgag cttcaacggc 60

catggatatc tagcgggaaa atctgttgat agaatctcac ttcctctcca gcgaaacgtt 120

gcgtctctcg ttcttcaatc ccgcacgttg cgttgtagta gaaagtttcc aggagaaaca 180

gttactgaag aaacatcaac aggagtcaat gagtttggtg tggaggatcg tgatggagta 240

gttgttgcag ccgaagagaa aaactcgaat agtggtgcga tagttgctct ctacttaacg 300

tctgcaatcg tcagttcact cgaagcaatc cctctgtttc ctaagctaat ggaagtagtt 360

ggtctcggat acacactccn ggttcactac ccgttatctg ctatttaaga ggaacaag 418

<210> 17291
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-034-Q1-E1-F12

<400> 17291

gcgtccgtac ggctgcgaga agacgacaga agggggactc cgagatggta gcgttgcctc 60

tgttaccgac tccgatagaa tcgaactaca gggcttgcac cattccttat cgattccctt 120

ctgataatcc tagaaaggct actcccactg agatctcctg gatcgatctc ttctccaatt 180

ccatcccttc tttcaaggaa cgtgcagaga gcgatacaac cgttccagat gctcctgttc 240

gagctgaaaa gtttgccaaa aggtatgcgg agattcttga ggacctgaag aaagatccgg 300

agagccatgg tggtccaccg gattgcattc ntctctgcag aattcgtgag ctgatactaa 360

gagaattggg atttaaggga catatttaaa gaaagttaag gatgangaga atgcaaaggc 420

aatatcacta tttcctgaag ttgtccgttt gagtgatgct aattaacg 468

<210> 17292
<211> 578
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-034-Q1-E1-F4

<400> 17292

aaactgggtt ntgcctgtgg ccccttacgg cctccgggaa attcccgagg ttcgacccac 60

gcccttccgt tacnngcttg ccgaagaaag gaacgaacan gaanggggggg gaagaaataa 120

gattngaaga agaangaant aatttggatt atccntggtn agaaaaatta tgggctggct 180

tcaatngatg ccnacctccg gttacatttg aaanccaagc ctgggttttc acggttggag 240

aaagaccggt tggctaagaa ggattaccgt cgctcacaaa gagctcgtcc ctccttcaaa 300

attgtcgcca gtggcgtcaa gaagatcagg accgacaagc ccttcggaat taacggcagc 360

atggacttga gggacggcgt caacgcctcc ggcagaaagg gcaagggata cggtgtttac 420

aagttcgtcg acaagtntgg agctaacgtc gatggataca gtcctatttn caacgagaac 480

gaatggtcag cgagtggtga cgtnttcaag gggaggagtc nccgggattg gcaatttggg 540

cngtaactct cgccnggaat tcttgccnga ggtgctcc 578

<210> 17293
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-034-Q1-E1-G11

<400> 17293

acagaggcta gagagaatgg gatgggaata agcttgtttc gcaggttatc agaagcccat 60

cctcaggcaa tttcagtgtt acaaaaccag taccgaatgt gtcgaggtat tatggaacta 120

tcaaatgcct tgatatatgg agacagatta tgctgcggtt ctgctgaagt agctgatgcc 180

acacttgtgc tttctacctc cagttctact tcgccatggc ttaaaaaggg tctggagcca 240

acaaagaaca gtttgtantt gttaatacag atatgccgcc tgctttttga agctanggat 300

taagatgcca ttaacaatcc aatttgaagc cttcaatata acctgaaatn ttnaaggacc 360

tanttaacaa tggngttggt aattaa 386

<210> 17294
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-034-Q1-E1-G5

<400> 17294

agaaggggga gaaagatcga atcgaagaat ggcagaattc gttgaagctg ataacgcaga 60

agcaataatc gcgaggatcg aaaccaaatc gaggaagatt gaaagcctac tcaaacagta 120

caaacatgta gaagctttga aaacggctct tgaaggttcg cctccgaaaa ctcgcgatga 180

acgttgcaag tcggctaatt ggatagttgt gcacagagct ttaatggcca ttaaggatat 240

tgacggaatg ctcaatgctc ttgatgtcga atattacgac attctcatga agtacttgta 300

cagaggactt tctactgggg accgacccat ctgcgatcag tgcctgaaga tcacgagaaa 360

ctcactgaga anagctggtc tcggttgcan tctccgatgt cctactgata ccatcaacac 420

cgtttgatca ac 432

<210> 17295
<211> 481

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-033-Q1-E1-G12

<400> 17295

tagccgtcgg aaaaggaatt cnggcgtcga cccacgcgtc cgtacggctg cgagaagacg 60

acagaagggg ccctgaaaaa atttcataat tcaaagagtg ttccttggag agaaaagttt 120

catcctttca acagatctga agagggtcaa ttgaaattcg ttttcacgat tcatccgcca 180

tttttccggg gaaaaaacaa aaggtgagat caaagaggaa aaatggcgca tagggtagaa 240

caggattatg attatttgtt caagatcgtg ttgattggtg attctggtgt cgggaaaaca 300

aacatcttgt ctagattcac aaggaatgag ttttgtttgg aatctaagtc cactattggt 360

gttgaattcg ccaccagaac tcttcaggtt gaaggaaaga ctgttaaggc ccagatatgg 420

gacactgcan gtcaagagcg gtatagagct atcacaagtg cttantacag aggaacggtt 480

a 481

<210> 17296
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-033-Q1-E1-G7

<400> 17296

agacgacaga agggtcgacc aggacggcgg atccctcgac caggacgatg aatggtcgat 60

gaaaatctat cgggttcgag gaatggtcga ccaggggttg aaatcgtcga ccaggtccga 120

gacttcatcg accgtgtccg aggagtggtc gaggatttgt cgaccaggag ttgaaatcgt 180

cgaccgggac cgagaattcg tcgaccagga cggcggaatg ctcgaccagg acgatgaatg 240

ggcgatgaaa atctatcggg atagaggaat ggtcgaccag aagttggaat cgtcgaccgg 300

gtccgagaat tcgtcgacca ggacgaggag tggtcgagga tttgtcgacc aggagttgaa 360

atcgtcganc gggtcccgag aattcgtcga ccaggacggc gggaacctcg aacag 415

<210> 17297
<211> 489

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-033-Q1-E1-H10

<400> 17297

ctccgganaa ggaatcgggc ntcgacccac gcgtcantac ggctgcgaga agacgacaga 60

agggggctta tccttangac acgaaaacat gttccatttc aagtaaaaga gttgagagtc 120

acgaaagcag ttctctcctg ggatgtctaa gtcagngctt gttgatggtc tttgtcttcc 180

tcctaatgat ccaaagaaga ttaataagat gattaggaaa cgaatcaaag acacaactgg 240

ttcaaactgg tttgatatgc ctgcaccaac aatgactccg gagttgaaaa gagatcttca 300

gttgcttaag ttgagaactg taatggatcc tgctgtacgc tacaagaaat ctgtgtcacg 360

gtcaaagcta ncctgaaaaa tatttccang attggtacag tnattgaanc acctgaagag 420

ttctatggaa gattgactaa gganggaata gaaaagcaac ctcctgccng atgaatttgg 480

gtttcaaat 489

<210> 17298
<211> 254
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-033-Q1-E1-H5

<400> 17298

agaaggggct agaaaatcgg ttcaagacta cgttgaccgg tttggatggg attctgttga 60

gaaagcaatc aaggcggctg aaaaagaaac tagaacgcat tgagatggaa gatcaagagt 120

caagaaaaac attactcttt ggtttgtaca tgtatgtaca tagattgtat agagcnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnngc ggcc 254

<210> 17299
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-033-Q1-E1-H6

<400> 17299

gcgtccgtac agctgcgaga agacgacaga agggggggagt gaaggnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnntcatct actttcttca accttcgagt ccatcaatgg tcactctcga gaccaacaca 180

atcattctat agatgatttc gagagcattt tcgacatcac cattgacgat ttaagctgct 240

ctaacgaact cacgtgggat ttctggnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnaaaagatc gagtactgat caagaaggct caagttttgg gttttgggag aataagccga 360

cggattatga agacaaagac ttgggtctga anctgaatct gaaccatcaa gaagttatcg 420

atgcttggtc tgatcancaa gaaacctctg tngacaga 458

<210> 17300
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-033-Q1-E1-F3

<400> 17300

aactggtttg cctgtnccta ccgccccgga aatcccgant cgacccacgc gtccgtacgg 60

ctgcganaag acgacagaag ggagagagta gtagcttatg ggagttggag aaaagaacct 120

attgtccaag aaaacgagat tcatcgtcag atgtcaaaaa ccgattcctt acactaacac 180

ttgcacctga agatgtcaag gatggtaatt tgcatcttcc ttgtcaattc atgagaatta 240

atggcatcaa caagcctggg cagataactt tgttgggtag aggcggtatg aagtggtttg 300

catatttact gtcaggagat ggaactgccg ttgtgggaaa tggttggaaa ggtttttgtg 360

aggcgaatgg tgtgatgtta ggagagactt ttgttttgga ttcattccca nagatgatac 420

aaatcatgta gttaagttct acaccaagta gggagaccaa atacgtaaat gttaagtaag 480

tacttttcaa gattcncaaa t 501

<210> 17301
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-033-Q1-E1-H8

<400> 17301

gtggttccct ggccctacca gtccgganat tcccgcggtc gacccacgcg tccgcccacg 60

cgtccgccca cgcgtccgac ggctgcgaga agacgacaga agggggctct ctgaatattt 120

tagagagaga atacgctctt cttctcgccg tccggtggtt atccggctac atgtccggcg 180

tcttccgttt ttctcaacgg tgatggccgg ctttcgtcta gcaccgactg gcttcctaag 240

tagcggtggc cagcttttgt ccggcatcga ccggctaacc tagcggccat ggccggattc 300

tgtttttgct ttaatttttc aattatgttt ttaatttgct aataatctca tcggatctac 360

gattagggat gttgatctgc catatccacg gtggttcttc cttgtctcct gtcctttgag 420

tttactccgg attcgaatta agnttcctaa ctcctcaaag ataaaatttc cggatncctt 480

ttcctttggn cctccnagat ttacaagaaa 510

<210> 17302
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-034-Q1-E1-A11

<400> 17302

acanaaaaac attttttctc tatanatcct ttattattgt tataaaaact ccgatggatc 60

ggcaaaattc cgatgacatc atgagatttc tcgatggaat ggctagctcc gacgacgttc 120

ttttcggttt tcttgacgaa ggaaaccagt caccggaaga tttctccgta aacctcaacg 180

ccggcgaaga tgacggtgac naagacgacn ataataacaa ttctgaagat aacaaagctt 240

tttggcagga acacgaacaa cttcttcagg ggacactgta taggacaagt tccattgaga 300

canagattag acaagctaca aangaagcgt tgatncaagt taaatctaag ggtctttatt 360

gtgtttgccg gcgaccagtg gacggcggtt gccggagttg cttacgtggc gaaatct 417

<210> 17303
<211> 382
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-034-Q1-E1-A3

<400> 17303

tttcaaaaaa aaatcagaaa ccgtcaaaaa gccaccgttg atatttcttc cttgttgctt 60

cttcaatggc gtcgttcgac gaagcacctc ccggaaaccc cgaagccggt gaaaagatct 120

tcagaaccaa gtgcgctcag tgtcacaccg tcgagaaagg tgccggtcac aaacaaggac 180

cgaatttgaa tggattgttt ggaagacaat ctggaacaac tccaggatat tcttactctg 240

ctgctaacaa aagcatggct gtnaattggg angagaagac tctttacgat tacntgttga 300

atcccaanga aatacatccc tggaacaaaa aatggtgttt cctggactga aaaaaccgca 360

agatcgtgcc gattctcatc cn 382

<210> 17304
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-034-Q1-E1-A7

<400> 17304

agaaggggga tgtggcaagg ctacacttgt gtttgcactt gattatcttt tcaagacaac 60

aaaaaagaag tcagcgacga tatccgtaga cgatttttac ttgactgcag aaggccaggc 120

tgaattgaga aaaaagaatc caggaaatgc acttctagag tatcgtggaa atgcaggaag 180

tcatgatctg aaactttctg ttgaaacact agaagccctg tcgaaactga ccaaagaagg 240

cttaaagatg aaggtaccta ngtacaataa gtctgcctat agtgggagag gtgacagggc 300

cgattcatca acatggccct gaagttgaag gacctctatc ggttattctc ttttgaaggg 360

atggatgctt ggttttaagc ctccttccag ctgacgttgt taaaagcagt tgaacccaca 420

gctggangg 429

<210> 17305
<211> 515
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-034-Q1-E1-B2

<400> 17305

gcctncctag gggcccggaa ttccanagtc gacccangcc tccgtagaga agacaacaga 60

aggggttctt cagttgggga agaggattct gcggcggccc tgatgttcat gcccctcaga 120

gcttgccttc acctctatct ttcagagaag ttgctgtagg atggaatcat gctttactac 180

tgaccgtcga tggtgaggtg ttcaagcttg gtagcactct taataaacaa cctgagaagc 240

aacaactgca aatagattcc tctgaagctc tctttganaa agttccggat tttgatggag 300

ttaagttatg cagatagcag caggagcaga gcattctgct gccgttaaca gagantggac 360

aagttacgac atggggatgg gggagaacat tggtcagcct anggcctttg gaaataccaa 420

tgaccaaacc atccctaaat tggtgaagcc taaggaagtt tnacacctgc cnaacgaang 480

naattcaang ttnattgncg gaagttgaat ttact 515

<210> 17306
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-034-Q1-E1-B4

<400> 17306

ctaggcctcc ggaaatccca ggtcgaccca cgcntccgta cagctgcgag aagacgacag 60

aaggggagga aatggcgtct ggatggggaa taacgggaaa caaanggaga tgctacgatt 120

tctggatgga tttcagtgaa tgtatgtctc actgcagaga gcccaaagat tgtacccttc 180

ttcgtgaaga ttacctcgag tgtctccacc attccaaaga gtttcaaaga aggaacagga 240

tatacaagga ggagcagcgt aaactaagaa cagcttcgag gaaaggtgaa gaaaccggag 300

atgggactca caaccatcac tagtctcaaa aatcctcctt caaagcttca tcccgattcc 360

aagagaanaa taataanaag ggtcaatggg aagattttgg tnccttggaa tctctaaacg 420

ccttgattgt ttttcagttt tcaantttat ccaatcaatg ttctgcttct tttaagttaa 480

atcctcncct tgagacgtat act 503

<210> 17307
<211> 438

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-034-Q1-E1-B5

<400> 17307

agaagggaca gagaacaaac atagagaggt tatagaccgg tttcagatat tgaaggagca 60

ggaaacagag cgcaagctca agtctcagaa gctccctgat tcagacattg atgttataga 120

ccggtttcag attctcaagc agcaggaaac aaatcgcaaa ctcaaggctc aaaaatgtcc 180

aganacaaaa aagggtgacc aggaggacaa actagaaggt tcagtgatgg ctaatatggg 240

cagaagcagc gatgtgagtg atgttatgga tagattccag atactgaaac gccgggaagc 300

tgancaantn aagaaatctc tcaacagcat ggatgtagat tccggattca gaatatgacc 360

agccacaaga agncttgatc atctctggtc agattcntta ttcccaatta ccttngacat 420

tcctcagaga agnacatt 438

<210> 17308
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-034-Q1-E1-B6

<400> 17308

agaagggggc agccgattct tctattancc gccatggtga agtactcgca agaacccnac 60

aatcataccg agtcttgcaa ggctagagga tccgatctta cggttcactt cangantact 120

acggaaacag cgcacgcaat cacgaaccta ccattgatca nggcgaagag gtaccttgag 180

gatgtgatag ctcacaagca ngcatttccc ttcacacgtt tctgcacang tgttgggaga 240

actgctcaag ctannaacag gcactctaat ggtcaaggga ctttngccat ccaagtctgc 300

tcactttgtt cctggatttt gctcaagaac nctnagaacc aatgctgaag gttaaaaagg 360

tttggatntt gatgcccctc ttccatatcc cacntnccaa gttgaaacaa ggccgcatng 420

ca 422

<210> 17309
<211> 512

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-034-Q1-E1-B9

<400> 17309

cggtcttntt gccctgccct acggaangga atccggctcg acccacgcgt ccgtacggct 60

gcgagaagac gacagaaggg agacacaggg gccatcacca tgatatgggc agtgacggag 120

ctcgttaaaa acccgaaact gataaagaaa gttcaaggcg atatccgaga acaacttggc 180

agcaataagg agagaatcac cgaggaagat atcgagaaag ttccttactt gaagatggta 240

atcaaagaaa cattcaggtt acacccagca gttcctctta tacttccaag ggaaacaatg 300

gctcacatca aagttcaagg gtatgatatt cctcccaaga ggaggatctt ggtcaatgtt 360

tcggcaatag gaaagagatt ccaaactcct ggacaaaccc gaaagagttt gaccctgaga 420

aggtttatgg gatagctttt gttgattata ngggacaaca ttacgaactc ctancatttg 480

ggtccggtcg aaggatatgt cccgggatgc ca 512

<210> 17310
<211> 58
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-032-Q1-E1-A1

<400> 17310

cncnccctgt naccggngca ataaancccg gcgggtnttg gtggttaccc cccaacgt 58

<210> 17311
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-032-Q1-E1-A11

<400> 17311

gcgtccgana agacgacaga agggggccga ttagggtttc ttctgtttca ctatatatta 60

agtgtctcca actactgaga tctctatcct ctccgccctc tgttcttctc attggccgcc 120

atggtgaagt actctcaaga gcccgataat atcgccaaat cttgcaaggc gagaggagcc 180

gatctcaggg tccacttcaa gaacactaga gaaacagcgc acgccataag gaagctacca 240

ttgaacaagg ccaaaaggta cttggaagat gtcatagctc acaagcaagc tatccccttc 300

acccgtttct gtcgtggtgt tggtcgtacc gctcaggcaa agaacaggca ttcgaacgga 360

caaggtcgct ggcctgctaa atctgctcaa ttcgttcttg atcttctcaa gaatgctgag 420

agcaatgctg aagtcaaang gttg 444

<210> 17312
<211> 357
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-032-Q1-E1-A2

<400> 17312

agtttaacgt caaacgaagt tgcgggtttg gcagttgggg ctctgcttct tggtgccacc 60

atcgctgctc ctaaagttga tgcttttatc gctgcttctc agagaagatc tcttggcatg 120

tgtcgaaaat gtggagatct taaagaatgt agcttgtggc cgttgcaaaa gaacaaggna 180

caatcaaatc aaggaggatt ccttgggttt caagttgact caatcaaaac acaaagatna 240

attggccttg ccaataaatt tgccaaagcc caaaaggttt gtttcccctt gcccctgaaa 300

tngctcaaaa tccttgaaca antttccncc ggtaatttta aaattggttc aaccctn 357

<210> 17313
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-031-Q1-E1-H9

<400> 17313

aagacgacag aagggatctg gactgttttt gtagtggcag cactggngta acaattctta 60

aacaggggtc taatctcttc atgggaaaca tcggggattc tcgggccatc cttggatcaa 120

aagacagtaa cgattctatg gtggcaactc aactgacagt tgatctgaag ccggatttac 180

ctagggaagc tgagaggatc aaacggtgta aaggtcgagt atttgcgatg gaagacgagc 240

canaggtgcc gcnantctgg ctaccttatg atgatgcacc tggattagcc atggccangg 300

cgtttggtga cttctgtcta aaagagtatg gagtcatttc agtacctgaa ttcactcacc 360

gtgttcttac agacagngat naantcaatg gtcttgccnc tgaa 404

<210> 17314
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-032-Q1-E1-A5

<400> 17314

gcatgcctgt naaggtccan aattcccggg tcnacccacg cgtccgccca cgcgtccgcc 60

cacgcgtccg cccacgcgtc cgtacggctg cgagaagacg acagaagggg gatccattca 120

tgctaaatgg tgcttagctt accacaagga gaactttgct tacgagcact gggatgacat 180

tctagacatc tgtaaccagt atgatgtggc tctttccatt ggagatggtc tgagacctgg 240

ctccatttat gatgctaacg acactgctca gtttgcagag ctccttactc aaggtgaact 300

aactcgccga gcgtgggaaa aagatgtgca ggtgatgaat gaagggccag ggcatgtccc 360

aatgcacaag attccagaga atatgcagaa gcagttggag tggtgtaacg angcaccatt 420

ctacaccctt ggtcctttga ctactgatat tgcccctgga tatgatnaca ttacctctgc 480

catt 484

<210> 17315
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-032-Q1-E1-A6

<400> 17315

atcaaaaagc ttcgctgtgg aggtaagtag gaggaagacg atggcgttag agaagcacat 60

agagaagata ctcttcagcg atgaagtaat tgcgcaccgg gtgaatcagc ttggaatcga 120

tattacttct gatttctccg gtgactcgga ggaaactcct atttttgtcg gcgtagccac 180

tggtgcttgc ctcttcttgg ccgatctcgt taggcgaatt gacttgccaa tagctataga 240

tttcattaga gctgagtctt acggctctgg gtactgtatc cagtggagtt ccaagagtat 300

catttgactt aaagcttgac atcacgacaa gcacgttgtc ttggncaagg acattgtggt 360

actggcaata cacttacctg ctgattganc a 391

<210> 17316
<211> 388
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-032-Q1-E1-A7

<400> 17316

agtttcaggt agtttccatc gttcctttgt caggaacaaa ccaacgactc aaaatttaac 60

cagagatggt ggaaggtgaa gaacagagga ggatcacaca cttggatctg agaaacgagc 120

cccagtttcc aatggttttc gttagagaat cgacttgttt cgctaaggac gatctcgcta 180

tcttcccgtc gagactctca gattcgtcct tctctccgtc cgattcagac gaacaatttc 240

aatttagccg gaaatcgcat tctcanccat cggaagatgt cgggaaatct ccgtggaaat 300

ccgtaattga gattgatatt atccaaggtt ggtgggaaga ttcttcctcg ttcgagtaat 360

gtcaaatttc cagaatttgg gttacctg 388

<210> 17317
<211> 383
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-032-Q1-E1-A8

<400> 17317

ccagaagaag aagaagaaac caaatcctgg cacctccggg ataagtagct ccaatggagg 60

aagaagtggt ggctcgagag ctgagcaaga gagaagaaaa gggattccat ggactgaaga 120

agagcatcgg tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnta 180

gacttaaaag agtgaaaaaa gatttggaag attctttacc tttattgaat actctgtttt 240

gtttggaagg ttgtttcttt tgggtttgga caagtttggg aaaggagatt ggagaagcat 300

ttcaaggaac tttgtgatct caagaactcc aacacaagtt gcaagtcatg ctcaaaaata 360

cttcatcang cttaactcca tga 383

<210> 17318
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-032-Q1-E1-B1

<400> 17318

aaaagtgtgg agtacatgcc gtttagctta tccttgactc ttaccatcag tgcggtcata 60

tggctccttt atggtcttgc tcttaaggat atctatgttg ccttcccaaa cgtgattggg 120

tttgttctag gtgcacttca aatgatactc tatgtggttt acaaatactg caaaacgccg 180

tcggatttgg ttgagaaaga acttgaggct gcgaaattgc tagaagtgag catcgatatg 240

gtgaagttag gtacactcac atctcctgaa ccagtagcga tcaccgtcgt ccgatcggtg 300

aacacatgta actgtaacga tcgaaatgct gagattgaaa atggtcaagg agttagaaac 360

agtgctgcaa ctacttgagt ttgctcaaga aancctaata aagaaaccta ntt 413

<210> 17319
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-032-Q1-E1-B11

<400> 17319

aagacgacag aaggggaaaa ttcgatcgat agtgacgaga aagatcctaa gatggcgacc 60

gcaagcgaga gttcttcatc taagagatgg cttccacttg aatctaaccc agatgttatg 120

aatcagtatc tctggggact tggtcttgcc cctgatgaag cagagtgcaa tgatgtgtat 180

gggttagacg atgaacttct agagatggtt ccaaagcctg ttcttgctgt tctcttcctt 240

tacccaatca ccaaaaagag tgaagaagag agaatcgagc aagacaagga aattaaggaa 300

aaggtgcata gcgataaagt ttactttatg aaacaaactg ttggtaatgc ttgtggaacc 360

attggtcttc ttcatgctat tgggaatatt acctctgaaa tcaaactctc cc 412

<210> 17320
<211> 389

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-032-Q1-E1-B4

<400> 17320

ttcagaagtc tcttgctgca tacattaaaa atcacgttta ttcaaacgcg aagacagaag 60

atttatggac ctgagccaag agaaaacacg aatcttaggt tctttagcat cttgcccaga 120

ccccactata gttcaagatg ttcttaactt cgtattgtct gatgaggtcc gtaatcaaga 180

tgcactttat gggaccttcc gggtgtaagt tgggaangga ntnaaagtna cttggnaatg 240

gntncaagna aagtgggaat ntatangaaa cacatggggc tccggatttc tcataacacg 300

cttcataagt gcaattgtat cgccgtttgc gtcgtttgag aaagccaaag aagtgganga 360

gttttttgca acaagatnaa agccttcga 389

<210> 17321
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-032-Q1-E1-B5

<400> 17321

ggtggtggtg gaggtagccg cggaaatgga tccggctatg gaaaggtgga agggagaagg 60

ctccagctgc tttctgtagg aaggctcaga cttccactga taggtttgag atgtggggan 120

atgggcttca gacccgttct tttaccttta tcgatgagtg tgttgaaggt gtactcaggt 180

tgacaaaatc acatttccgt gagccggtga acatcggaag cgatgagatg gtgagcatna 240

atgatatggc tgagatgttc tcagctttga ggaaaanaan ttcnaattca ncacattcct 300

ggccccggaa aggtgttcnt tggtcctaac tcagaccaac aatcctgatn aaaagaaaaa 360

gcttgggttg ggctccctaa ttattnagat tgaacgaagg g 401

<210> 17322
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-032-Q1-E1-B6

<400> 17322

ggtaagctca agagaggctg agtacactga gctgcgatcg gcgactgtct cttgtccggg 60

atagtgaaag atgaagctga aggttgtgta tcgtaaggtc tccgattaca tctgttacga 120

tctgaaagaa atcgtcttac cttcatcact tcccgatcct cctcacgtcg ttaaacgccg 180

caaattgact tggcacgagc gattcctcgt gttgaaggaa gcttcaaggc tttatgctgc 240

aagctggggt aagagatata gtcctgaact tcgtcaaaat gattacaaga agcaagggga 300

tgctgagcct aaaaaacaac caaaaggggg aagagaacna gcctctgttt tggaagatct 360

tgcggtaact gcaagaaggt ggaatggaga ctttaagg 398

<210> 17323
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-032-Q1-E1-B8

<400> 17323

ctgaaaaaat ttcataattc aaagagtgtt ccttggagag aaaagtttca tcctttcaac 60

agatctgaag agggtcaatt gaaattcgtt ttcacgattc atccgccatt tttccgggga 120

aaaaacaaaa ggtgagatca aagaggaaaa atggcgcata gggtagaaca ggattatgat 180

tatttgttca agatcgtgtt gattggtgat tctggtgtcg ggaaaacaaa catcttgtct 240

agattcacaa ggaatgagtt ttgtttggaa tctaagtcca ctattggtgt tgaattcgcc 300

ancaagaact cttcaggttg aaggaaaaga ctgtttaagg ccaagatatg ggacactgca 360

ggtcaagaag cggtataaac tatcacaagt gccttatta 399

<210> 17324
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-032-Q1-E1-C11

<400> 17324

gcgtccgtac ggctggagaa gacgacagaa gggatgcaaa gtacgaaaag gcgaagattg 60

tttacgagaa gctatggaat ggttcttact tcaattatga cgatagtggt agtggctcga 120

gctcttcgat tcttgctgat cagttggctg gacaatggta tgcacgagcg tgtggattga 180

agccgataac gaaagaagaa tggataaaga aagcactaga gacgatctat gagttcaatg 240

tgatgaaagt taaaggaggg acacgaggcg cagtgaacgg aatgtcaacg gaaggaaaag 300

tggatgcaaa ttcgttggtt tcaaaggaag tttgggctgg tactacttac tctgttgcag 360

cttgtatgat tcaagaaggg caaagagaaa aaaggtttca gacaacaagt ggnatcta 418

<210> 17325
<211> 302
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-032-Q1-E1-C12

<400> 17325

cctgccngta ccgaaccaaa attcncgggt ccacccacgc gtccgtacgg ctgcgagaag 60

acgacagaag ggttacggct gcgagaagac gacagaaggg ttacggctgc ganaagacta 120

cagaagggtt acggctgcna gaagacgaca gaagggttac ggctgcgaga agacgacaga 180

anggttacgg ctgcganaag acgacagaan ggtacggctg cnanaanacn acagaagggt 240

acggctgcga gaagacnaca caangggtnn nnnnnnnnnn nnnnnnnnnn nnnnnnnngc 300

gg 302

<210> 17326
<211> 278
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-032-Q1-E1-C7

<400> 17326

ctcgtgtttg tttagtgaag cgatcaagcg agcgagatca gtcaaatagc tttttcattg 60

ttcctcagat cgaagaagaa gaagaagagc ttagcaacaa tggcggcgaa accgattgcg 120

agtccgattc cggtggcgct gtatccgact ttattgggtg ttcactcttg cgattggtct 180

cgtcattacc gctatcttcc tcatcctatg aagcctacat catccangaa aaaaccgaaa 240

ccntcggaaa ggactcgcta cttcagcaat tgcatctg 278

<210> 17327
<211> 359
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-032-Q1-E1-C8

<400> 17327

gatcaagact tttgcaataa gcttgccaaa gaagaaaacc tcgtcgtttt accagggatt 60

gcattcagtc agaagaactg gttgaggcat tctatcgata tggagactcc ggtattggag 120

gatgcattgg aaagattgaa gagcttctgc gatcgccatt ccaacaaaaa agctcccctc 180

aaagacgtca atggtgttaa gtaaagggtc aatatggtta tttgcctaag tcatttacgt 240

atgctataat gataaataaa tgagtgtttc ctggtttgag gtaaatcatg aacactttag 300

tggtatttgt aacaaataaa atgggtgcac ttaatatcaa tcgtgtgtaa tgttttcnc 359

<210> 17328
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-031-Q1-E1-G2

<400> 17328

tgttacgcct gcccgtctac gccggnccag tatcggtcga anantcacgc gtccgtacgg 60

ctgcgagaag acgccagaag ggcacagaac tttggctgga gtatgagaac aatgcttctt 120

tagaagcaaa tattgtanan gacttcgata aggttgagat gattctccag gcgctagaat 180

atgaagctga acacgggaaa gtgctcgacg agtttttcat atcaacagca ggcaagtttc 240

aaacagaaat tggnaaaagc tgggctgctg agatcaacgc taggagaaaa agccaattga 300

caaacaggca gagatagtaa aatccagttg catcatacct tcaatcttcc tcaactatca 360

acagtagaat ctcgggaact aagcagactc ctcatgaanc aaaaggtaca agcttctaat 420

ganattttca gtttgtagtt caacgancac aagtccctgg ttttttaacc tccccctttg 480

ggtaccaant tg 492

<210> 17329
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-031-Q1-E1-G3

<400> 17329

gcgtccgtac ggctgcgaga agacgacaga aggggaggag agagatatgg agagaacttt 60

gcttcaatgg agactattgc ctcttctcgc actcatcgtt gctcttttct ccttcttctt 120

cgcttcncct cgctctttac aggggaataa tanttgtagt cttcttcctc atgatcatta 180

ctggatctca agtaaacgca tcgtcacacc taatggtctc atctctggtt ctgtggaggt 240

gaanggagga attattgtgt cngtggtgat ngaagttgat tggcataata gtcaaaggag 300

tcnantgaaa gtgantgant atggagaaac tgtcctcatg cntgntctca ttgatgtgca 360

tgttcatctt gatgntcctg naatangtna atgggaangg tttccttctg gaactaaggc 420

tgctgctgct ggggggaata actacattgg ttgac 455

<210> 17330
<211> 537
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-031-Q1-E1-G4

<400> 17330

aactgtttac gcctgcccgt ttacgcgtgc ccantntcgn nnggaaanat tcaacgcgtc 60

ccgcccaacg ccgtcccggc cccaagccgt cccgtacngg gctgccaaga aagaccacaa 120

gaaagggtta cgggctggcg aagaaagacg acaagaaagg gggggcgatg naatcaagct 180

ggcaagcaac tcccaaaaac caggggggaa atctcccgcc gggtgcaccc ttttgtancg 240

ccgttgtcgt atctattagg aacatggaga aggacaagga gaaggtgaat atcctactat 300

accgtctttc cgctacggcg aagagatccg tttctcacat tccggcaagc cggtgatagc 360

gtatacgcan aagacatgga aattggnatc aggagctccg atgcacgccg agagtggtac 420

tttcgtccaa naccagatgg tctattgaag tctcattgct caaaacacag gtctctcnaa 480

ntcaanaaag ggacatncaa tgttgntaac aatccatcaa actccaaaat ggtnttg 537

<210> 17331
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-031-Q1-E1-G5

<400> 17331

ggctgaagac nacaganggg ggagagtgag tganagaaga atcagagaaa atgcngccga 60

aattggatcc atctcaantc gtcgacgtcn acgtccgagt caccggaggt gaggtcggag 120

cancgtcttc actcgctcca aagatcggtc cacncggtct ggcaccaaag aagatcggag 180

aagcatcgcc antagagaca gcgaaagaat ggnaaggtct tcgagtcacc gtgaagctta 240

cggtacagaa tcgtcannct aaggtcacan tggttccatc cgcagcggnt ctagtcatca 300

aagccctcaa ggagccagag agagatanga agaaagtgat caacatcaan cataatggca 360

tcatttcgtt tgatgatgtg antgagattg ctnanataat gcgtcctaaa tctatc 416

<210> 17332
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-031-Q1-E1-G11

<400> 17332

gcccacgcgt ccgcccacgc gtccgcccac gcgtccgccc acgcgtccgt acggctgcga 60

gaagacgaca gaaggggga ggaagaatca gattcaaaag ccaaaatcaa agcttggtga 120

tgggatctgg agcattaaca tttggtatgt gccaaagaag atggatatct tcagaaaacc 180

agacgatgtg ttaacagctg ctgagaagta cattgcagag aatggacctg atgcttttga 240

gaagatctta agccgggctg ataaatcaaa aagatataat aagcatgaat atgaaagcta 300

tgaaacgatg tatggtgang gttatcagta ctaagagaaa tttgaaaaag cttttaantt 360

taaatgtgtg aagcaacttc agtcttggtg ttgttaagcc tcc 403

<210> 17333
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-031-Q1-E1-G6

<400> 17333

ggctgcgaga agacgacaga aggggaaaga agaaagaaga agaataaaag acaaggcttg 60

aacgtccggt gaaagaaaga attcggcttt ccgcactaac cacttctgaa tcctaaccaa 120

caagcttctc catttcgttt ttcgcgtctc gattccaaat tccacttaag acggcggatt 180

ttctcaccgg gaaattggtt ttagatggat aggactgagg aaatcgaana atcccccgcc 240

ggaccttctt ccggatccgc gaaattgaag ctcggaaaca gagcaaatcc tttccttgtt 300

gtttgtanat gcntcaacct cgttacctct ctcaaccgca attcnctgtg ttgccgttaa 360

cgttccnccc tgccgnttcg ctccttccct tgaaanccan antcccttca atgggaaatt 420

ccc 423

<210> 17334
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-031-Q1-E1-G7

<400> 17334

gcgtccgtac ggctgcgaga agaccagaag gggtgtttga gaagcgggat tggtgatcgg 60

agctggaatt tggttggtaa tcggaggtca gagagaagtc aacggatatg ccggaggaag 120

aatcgataga tatcaaattc aggttgtacg atggctccga tatcgggcct tttcggtant 180

ctgcggcttc tactgttgac tttttgaacc agagggtcgt ctctgattgg cccaaaggca 240

aaacagttgt tccaaagggg ataaacgaag tgaagctgat aagctcgggt aagatcttgg 300

acaacaacaa gactgttggg cagtgtaaga caccatttgg agatattgct ggtggagtca 360

ttgtgatgca tgttgttgta cagncttctc tagctaaatc natnacagag aataaggttg 420

ataaagcacc aaaggcagta atctgcac 448

<210> 17335
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-031-Q1-E1-H10

<400> 17335

gaagacgaca gaagggnacn gctgcgagaa gacgacanaa gggtacggct gcgagaagac 60

gacagaaggg tacngctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga 120

anggtacggc tgcgagaaga cgacagaagg gtacggctgc cagaagacga canaaaggta 180

cggctgcgag aagacnacag aanggtacgg ctgcgagaag acgacagaaa ggtacagctc 240

caanaagacn acngaangaa aatggnagat aaccccactc aacaggatcc aantnaagct 300

accataaaac tgttatcaat gctctcaaca gtttcntctc ntcnaattcn cgtnaccatt 360

naattgttct gttttanatt tccttccctt tcaaatttaa cccnttga 408

<210> 17336
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-031-Q1-E1-H12

<400> 17336

agaangggga aatccaacga tttataagan cntcgtccgg cnttcgacgg tctgctgacg 60

aagaccatgg ggccnatttt caaatncann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnngagg atagtaacac gatcacnggt 180

agantgaggg ttccagcaag caccgtgatt ggtcatgcag ctaaattctc aaatatcaaa 240

gttatactca acggtggaca gcatgttact ttcctcaagc cggatggata ctttaccttc 300

cacaaagtgc cagcggggac tcatctgatt gaagtttaag cactgggcta cttcttctcc 360

ccaagtgcga attgatgtta ntgctccggc aacntggcaa aggtcaaaca acacn 415

<210> 17337
<211> 508
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-031-Q1-E1-H2

<400> 17337

antgtttcgc ctgcccgttt acgntgcnan attcgcgtgg aacacncacg cgtccgcnca 60

cgcgtccgta cggctgcaga agacgacaga aggggcctga ggaaagaaaa ggagctccaa 120

agggctgaac gcgagagacg ggaacagcaa gaagcccagg agcgagaagc tcaggctgca 180

ctcaatgacg gagaagtgat tagcatccac tcaacaagcg agctagaagc aaagacaaag 240

gctgctaaga aggcatcacg tctgctcatc ctttacttca cagccacatg gtgtgggcca 300

tgccgatata tgtctcctct gtactcaaac ctggccacac agcactcgag agtcgttttc 360

ttgaaagttg atatagacaa ggccaatgac gtggctgctt cttggaacat tagcagcgtc 420

ccgacctttt gcttcatcag anatgcaaaa aggtggcaaa attntcggac tgataaaagg 480

tcnctnanca naaaaattca caacactc 508

<210> 17338
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-031-Q1-E1-H4

<400> 17338

aactgtctcg cctgcncgtt tacgcctgca agttcgcgtg cgnacantca cgcgtccgta 60

cngctgcgat aagacgacag aaggggagag angcaaataa tatattcagt agcaanaaaa 120

aatctgggat ttctaaaaaa aggtaagaat gaaaatggcg gatcagctca ccgatgacca 180

gatctcagag ttcaaggaag cctttagccc cttcgataag gatggtgatg gttgtatcac 240

caccaatgag ctcggaaccg tgatgaggtc tctggggcaa aacccaacag aagctgagct 300

tcaagacatg atcaatgaag ttgatgcaga tgggaacggg accattgatt tcccggagtt 360

cctgaacctg atggcaagga aaatgaagga cactgattca naggaagaac tcaaggaacc 420

tttaaggttt tgataaagnc aaaatgggtt catacctcaa cnaancttnn catnnntgcn 480

aatctccgtg agaaacttcc natgag 506

<210> 17339
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-031-Q1-E1-H6

<400> 17339

tttngcgtgc ccgtttacgn tgccaagtat cggtcngaac attcncgggt ccacccacgc 60

gtccgtacgg tgcgagaaga cgacagaagg ggatagtaaa tccagagaac gtctcttctt 120

cttcttcact tgccggagaa gatggatttg ttgttctgtt tccgaccgaa tcagacttgt 180

cggggaattt cagttttgcc tgcttttagc ataagcaatc tttccgccgt caatcgtttc 240

cgttcgacga cgagtcttcg ttttggattt ccggcgacgc cgtttcgtcg gactccaaac 300

tttaccttca aaactcacgc gaagaggaag aataaaacga gtactttcga accgaaaccg 360

aataaagtcg aangagttga tcattgaang aagaaagaag aagaggagat nggttcttcc 420

ccgaangagg attcaagaga atcaagacga antttgctac tgggttgatg aattttgacg 480

aa 482

<210> 17340
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-031-Q1-E1-H7

<400> 17340

gcctcacccg gntcataccg gtccananat tcccgggtcc acccacgcgt ccgtacggct 60

gcgagaagac gacagaaggg ggagtccaag agtagtggtg aaggtggatt tgaagaagaa 120

gccatggcag caggaccagc cattgcacaa tagatggcat ccggagatac caccagcagc 180

agaggtcaag gctggtgagt ttttccgggt agaaatgatt gatgcaatgg gaggcgttat 240

caaagacaat gactctgcan gcgatatcaa gaacctagtc ctaactactg gttgtagatg 300

angaaggtat tgcagctaaa gcaggtgatc ttcttgctgt tgagatatgc aacttgggtc 360

ctcttccatg agatgaatgg ggattcactg ggttcgtttg attananana atggtggccg 420

gttccttgac ttgacaattt cccttgtgca acaaaagcta tttgggtact ttgaaggatt 480

caancccaat ccccctcag 499

<210> 17341
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-031-Q1-E1-H8

<400> 17341

aatcgcgggg anattcacgg gtcnanncan gcgtccgtac ggctgcgaga agacgacaga 60

agggtacggc tgcgagaaga cgacagaagg gtacggctgc gagaaggcga cagaatggta 120

cggctgcgan aagacgacag aagggtacgg ctgcgagaag acgacagaag gggtccgatc 180

aaaatccttt taagctctgt agacccaggt tacgcagaga anaagaacag aacaaggaat 240

tatataatca tcggcttgat caatctgaat tgcagttcat ggcgctaaac cctcaattac 300

tacccaatgg gatgcctgtt ccctttgtta atgaaatgtt cgtcctantc cgagatggtg 360

ttgaattttg aagtcgacaa gattccctgg agggtaatgg agggtcangt ttaagggcca 420

angggttaa tttacctttg ncaaaaaaaa ccgggttggg cccttggntt caa 473

<210> 17342
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-031-Q1-E1-B6

<400> 17342

ggctgcnana agacgacaga agggtacggc tgcgagaaga cgacagaang gtacggctgc 60

gagaagacga cagaagggta cggctgcnan aagacnacag aanggtacgg ctgcganaaa 120

acgacagaag ggtacggctg cganaagacg acagaagggt acggctgcna gaagacgaca 180

gaagggtacg gctgcgagaa gacgacagaa gggtacggct gcgagaagac gacagaaggg 240

tacggctgcg agaagacgac agaanggtac ngctgcnaga agacgacaga aggggtnccc 300

aattgtgccc ttgttggttc agatactgaa gagtcaagaa accacntgtt ggtaatgatg 360

atgttccgtt gtcctgaatg atggcttntt ccttcccaat 400

<210> 17343
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-031-Q1-E1-B7

<400> 17343

cacgcgtccg nngggtgnca aaagacgaca gaacggngga gagattgttg cggcggngat 60

tgggngagga aagctttgta agtggaggac tttgccaaac gcagacgcta cttggaaaaa 120

nngtcacgcg gctganagag taatcgttgc gtgttcaaac gttggtttta gcgatttgaa 180

acttgcgttt angaataatt tgagttttct ctcaacgtca aaatattgaa tttaatcgtg 240

tccgttaaat tcaaagcttc tagtcacttt ggcaatttcg tgttagctct tttcaacgan 300

actttanngn aaagctattg tgagatggat tttacaggat gtantaattt gatagnttga 360

agtggattac gtggatacaa aangtccaat tgacanccan aaaaacnggc cccccaatag 420

gntc 424

<210> 17344
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-031-Q1-E1-B8

<400> 17344

gcccacgcgt ccgtacggct gcgagcagac gacagaaggg gatctcactt tgttcatcta 60

aaaactcctc ctttcatttc caaacaaaaa cttcttttta ttctcacatc ttaaagatct 120

ctctcatggc gatgtctttc tcaggagctg ttctcactgg tatggcttct tctttccaca 180

gcggagccaa gcagagcagc ttcggcgctg tcagagtcgg ccagaaaact cagttcgtcg 240

tcgtttctca acgcaagaag tcgttgatct acgccgctaa aggtgacggc aacatcctcg 300

atgacctcaa cgaggccaca aagaaagctt cagatttcgt gacggataaa acaaaagagg 360

cattagcaga tggtgagaaa gcgaaagact acgttgttga aaaaaacagt gaaaccgcaa 420

g 421

<210> 17345
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-031-Q1-E1-B2

<400> 17345

aagacgacag aaggggaggg tttaagaaat cttccgagaa aacagagaga cagaaaaatg 60

gtgatgatga agaagatgaa gggaagccaa agctttagac aaagacttct tctttcaaca 120

ctttcttcag cacctatctc gattgatgag attcgtgccg acgaaacgat tcctggtctc 180

cgacctcacg aggttaatct tctccgcctc ttagaaattg tcaccgacga cgccgtcgtt 240

gatattaacg agaccgggac tcgattaaag tacaagcctg gaactatagt gggagggaaa 300

gaacttggtt cacagctgct cgctgagtcg attcattggc tattancctg agccaatgcn 360

tttgttggga atgtttggga agaaacctcc ttcgaataag gtcaaangg 409

<210> 17346
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-031-Q1-E1-C12

<400> 17346

gcgtccgtac ggctgcgaga agacgacaga aggggattca ccggttgtta tatcgtcgat 60

tcatcgtcgt cgacggcgag tacttgtgac ctccacaccc agattaatct tctataactg 120

attttatcgc ttagacgatc acgatctcat cgattaactg acaaatgaag catgtagtaa 180

agatcttgag cctgttggtg gctatctctg ccttctggat tggtcttttg caggctgcaa 240

ttattcctcg aagccataca tggttgctac cgatctactt tgttgtatcc ctcggatgct 300

atggcctatt aatggttgga gtcgggctca tgcagtttcc tacttgcccc caagaagcan 360

ttctgctgca naangatatt gcaaangcta anggcttcct caagcacaaa agggtatatg 420

ttggatntaa t 431

<210> 17347
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-031-Q1-E1-C5

<400> 17347

aagacgacag aaggggacc ttttcgattt cgtctccatt gatgatattc gatagttagt 60

ggctaatttg ctancatctc actgcttcaa ttttggctcc tcatcggaaa tggcgttttt 120

actcaacacc tcgatttcat ctcacctccg atcttcttcc cataagacgg atggtgcttt 180

agctcaatcc cgtcgcgggt tccatgtgga gctaggtgct cgtgagaaag ctctcttggc 240

tgaggatgca tctttgagga gattcaagtc gcataagana ggtgttcata gattgaaaag 300

aantggagat gtgctcacaa gttgtccntt gtccnctggg atgctgctat gagatcaagc 360

caacagtgat ganaaaggaa actcaaggct gcatnacgaa actcaagaat ttcc 414

<210> 17348
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-031-Q1-E1-D5

<400> 17348

aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 60

acagaagggt acggctgcga gaagacgaca naaggggacc aaattcaaga acaagaaaaa 120

acttttcctt tgaaacanag aaacatggat ttctttaccg atcaagtaaa gaagaaattc 180

tccgacaaga aaccggagag ctctgatccg gagccaaacc acaacaanna caaacccggt 240

cacacggagc caacaacaca taaacccggt cacggcgagc caacaacaca taaaccggtc 300

tccaacaccg attcancaac acacagaccg gctacgaacg ctgagctcat ggctagtgcc 360

aagatcgtag ccgaagctgc tcaagccact gctcgtcacg aagtcagaca agcttgaca 419

<210> 17349
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-031-Q1-E1-D6

<400> 17349

ttgaatttag tttctttcct tattttgttt gaggtttatt atattgatga tagggttttg 60

gaaacttttt taattgattt tagcttatag agaccaaaaa ccctagaaaa atacgattcc 120

tacgacggcg acggttgatg atgagccggg acagattaaa cgtgctctga ttgatgcttc 180

tgccggagct atctctggtg gtgtttctcg ttctgtaact tctcctcttg atgtcattaa 240

gattagattt caggttcagc tagaaccgac gacttcatgg ggtttggttc ggggaaactt 300

gtcaggagct tctaagtata ctggaatggt acaggcgact aaaagatata tttagagaan 360

aaggtttccg ggggttttgg cgggtaatgt gcaaccttgc ccagg 405

<210> 17350
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-031-Q1-E1-E12

<400> 17350

gcgtccgtac ggagaagacg acagaagggg aaaggattgc tgacgagttt ttggacaagc 60

tggtaaagtg gaccaagaac attaagattt cagatccttt tgaagaaggc tgtangcttg 120

gtcctgttgt cagtaaagga cagtacgaag agagttctaa agtttgtctc aaacgctang 180

aatgaaggtg caactgttct ttgtggagga gttcgtcctg agcatttaaa gaanggatac 240

tttgttgaac ctgcgattgt ttcaaatgtg actacttcaa tggaaatctg gagagaagaa 300

gtctttggtc ctgctctgtg tgtgaaaaca ttctccaccg aggatgaggc aattcagctt 360

gtaaatgact ctcaatatgg attaacaagc gcaatattat caaatgatct gganccgtgt 420

gatctgttaa taaagngttt caaa 444

<210> 17351
<211> 517
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-031-Q1-E1-E2

<400> 17351

gaactgtttc gcctgccctt tncgcgtgcc caaaattccc ggggaancac ncacgcgtcc 60

gcccacgccg tcccgtacgg gctgcgaaga agacgacaga agggggtaca taaaagctta 120

aaagaaaaca caaagaatgg ggagagcaag agaaatatga gaaggaaact catcgtcgtt 180

aagggaacaa cgaaacctca gagagaagga tcgaaggatg cgcatgaaac atctcttctc 240

tatactttct cctcatgttt ctcccactcg caagttacca gtgcctcacc ttatagatca 300

agcgacatca tacatgatcc aattgaaaga gaatgtaaat tatttgaaag agaagaaaag 360

gacattgtta caaggagaac tcgggaatct ctacgaaggg tcgtttcttc tacccaaact 420

cagtattcat tcgcgggatt cgaccataga aatgaatccg atcatggntc taaacatgaa 480

aagagtatgt tccccgagcc tgtgagtatt ttganga 517

<210> 17352
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-031-Q1-E1-E4

<400> 17352

actgttaccc tgccnttacc ggtgccaaat tcccgggang acccacgcgt ccgtacggct 60

gcgagaagac gacagaaggg gatatccaca atacanaaca caactttcat atataacaaa 120

aaaagttata gaaatggcca aagacgtgga aggacctgag ggatttcaga caanagacta 180

cgannatccg ccaccaactc cgtttttcga tgcggacgag cttaccaagt ggtctttata 240

cagagccgtc attgccgagt tcgtagccac tcnncctcttc gtgtacatca ccgttttaac 300

tgtcatcggt tacaagattc agtcngacac aaaagccggt ggagttgact gcggcggcgt 360

cgggaatcct tggcatcggc gtgggctttt gggnggcaag attcttcaat ccctggccaa 420

cgggcaaccg cccgggtatc ccaanggtgg gccaaattaa ancccggccg ntggacnttt 480

ttgggttggt tccctaancc ccggga 506

<210> 17353
<211> 430

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-031-Q1-E1-E9

<400> 17353

gcgtccgtac ggctgcgaga agacgacaga agggggagga atgatggaat cttcagcttt 60

aataaatctg cagactctca aaattccgat tcatcttatt gaagaacaat tttccggcga 120

aacggccgat gaagtctcgc ctgaatcttc tgtacctttc accggcgatt gacttcactt 180

cagaatcgag agagaagaaa tcgatggaaa actaaaaata gaaagagttt caaattctcg 240

ctctctcttc aaaaccgcaa atcaagggaa cgagagacga gagagagaga tgagtaaacg 300

gaatccgaag attctgaaga tttttctgta tatgttactt ctcaactctc tctttctcat 360

catctacttc gtttttcact catcgtcgtt ttcaccggag cantcacagc ctcctcanat 420

ataccacgtt 430

<210> 17354
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-031-Q1-E1-F10

<400> 17354

gtgaccangc ccgggcgact gtttaccaaa aacacgggtc tccgcaaagt cgtaagacca 60

tgtatggggg ctgacgcctg cccagtgccg gaaggttaag gaagttggtg acctgatgac 120

aggggagccg gcgaccgaag ccccggtgaa cggcggccgt aacgataacg gtcctaaggt 180

agcgaaattc cttgtcgggt aagttccgac ccgcacgaaa ggcgtaacga tctgggcact 240

gtctcggaga gaggctcggt gaaatagaca tgtctgtgaa gatgcggact acctgcacct 300

ggacagaaag accctatgaa gcttcactgt tccctgggaa tggcttttgg cntttcctgc 360

gcaacttaag tggaaagcga aaaaagcccc tttccggggg ggc 403

<210> 17355
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-031-Q1-E1-F12

<400> 17355

cgtgggcggc tgcgagaaga cgacagaagg ggataagccg caagtctctc tctataaaca 60

ccgccattga ttagcttcct ctctattttt actctcgtca cgccctccac ttttgggtca 120

ttattacttc tcgaagctca ccaagatctt gaatttgccg acctctcaag attcttgatg 180

gtaaaagcat acagacaaga gcatgtttac aagcatccgt gggagcgggt gagtgctgct 240

tcatggagga agtttgcaga ccctgaaaac aaacgcatcc tttctcacat ccttgaagtc 300

gataccttga acaggaaact cganactgag accgggaaac tccacaccac gcgtgctctc 360

aacatccatg ctcctgggtc caagggttct ccan 394

<210> 17356
<211> 345
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-031-Q1-E1-F2

<400> 17356

aactgtctcg cctgccctct tcgcgtgncc aaattcccgg gnacacccac gcgtccgtac 60

ngctgcgaga aagacgacag aangggtacg gctgcgataa gacgacagaa tggtacggct 120

gcgagaagac gacagaaggg tacngctgcn agaagacgac agaagggtac ggctgcgaga 180

agacgacaga atggtacggc tgcganaaga cgacagaagg gtacggctgc gagaagacga 240

cagaagggta cggctgcgag aagactacag aagggtacgg ctgcnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnngc 345

<210> 17357
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-031-Q1-E1-F5

<400> 17357

aagacgacag gagggggcat tgaatgagtc tcttcaagat ttacttgatg gtattcagga 60

ggatttctat actgttgttg actgggcata taaaatagac cccctacggt gtatttcaat 120

gcatggtata actgaacgtt atctatctgg tcagaaagct gatgctgcag gatttgttcg 180

ccttttgctt ggagatctgg agtcgagagt ttctatgcaa ttcagccgtt ttgtggatga 240

agcttgtcac caaattgaaa gaaatgaacg taatgtaaga cagatgggtg tcttgccata 300

tattccaaga tttgcancac ttgctactcg tatggaacaa tacatacaag ggcaatctag 360

agatttggtt gatcaggcat acacaaaatt tgtgagcata atgtttgtga ccctc 415

<210> 17358
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-028-Q1-E1-D4

<400> 17358

acaaagaaca aaacttccgt atcctggaga gtaaattcct ttatggctac gaatgggtta 60

atggcgtcgt ccagtgtgtt tcttcatcgc ccgcgtatcg catttgcttc tagaacgaat 120

cagactgtag gaaaatacgg taaaggccgt gttagtttca tgggcattgg gacacgtcgt 180

cttccggtgg ttttatccat gacggcgatg gcggattccg gtgaggaggc cgtgaaatct 240

gttttgcctg gaaatggcat atccatcatg gtgaatggat gtagtggcaa aatggggaaa 300

gctgtaatta aagcagcaga ctctgcagga gtaaatattg ttcccatatc gtttggatct 360

gctggtgagg atggtcagag agttgangtc tgtggaaagg agattactgt gca 413

<210> 17359
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-028-Q1-E1-E1

<400> 17359

ggctgcgaga agacgacaga agggcaaact atgggagagc atcaggctaa aaaacgaaaa 60

agccatcact gaaggaggaa ccattggttc tcgttacaaa gaagctgaca agtcctgcaa 120

agtgatgtcg ggtagattct tccctgaaaa tgcctgcctc aaaggtacag ccattattac 180

tgctgtggtt ctagctgctg tagctgtact agcttccaac ctgtacgctg aagaagatgg 240

tggactcatt ggttctgcac ctatacttca atgcaaacac ctcagctttg aagaactaag 300

agagatatac cattgtcctt gctttccttt tgctaagagt ttgtgaatat attgagatat 360

gtcgtcaatc ttgttgttgg gtatttgttc actcaaatag acgtttgaca aaaaaaaagt 420

atatttang 429

<210> 17360
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-028-Q1-E1-E12

<400> 17360

gcgtccgtac ggctgcgaga agacgacaga agggggaagg aatcaaaacg gtgcgttccg 60

gttacggagc acacacagat aggataggaa accctaaaag tgcttcttct tcttcgtctt 120

cttcagtttt aggttacgat cgaagcaaaa ncggcgcatc tgaatcccaa acgantgacn 180

ataacgatcn attcgcagca naaaacgagc aaattcagat ggggggaaat ggacgaagac 240

gaanatctgg atttcttgct ccctcccaag caggtgattg gtccagatga gaatggtttg 300

aagacgacga tcgagtacaa attcaacgat naagaaaata aggttaagat aacgactagg 360

acacgtgtcc gcaagctaac ttctgctcga ctcaacaaac ganccatgga gaagangaac 420

tggcctaant tcggagacgc 440

<210> 17361
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-028-Q1-E1-D11

<400> 17361

gcgtccgtac ggctgcgaga agacgacaga agggggaaga cataaaaagt aattagtgag 60

aaaattaaga aaaacaaagt ctattccata cgaataagag cctcaggtta atttttaaa 120

agatgggtta ttggaagtcg aangttgttc caaggatgaa gaaatttgtt cgaagaaaga 180

gtccancaaa aaaaggaatt tgttgangga aggagaaacc cacgagaggt gggantcctt 240

ggaggaaggc ctccttgaaa accgaagaac cggccaagga aaggngaaac taaaccggag 300

gaaataattg canccggcna aaaagattag aattattnaa gagaagaaag aaaggctaaa 360

ccntggaggt tccggccccc atctgcggng gaaaaaaccc accgtaaaga gnggaaaaac 420

gcccggtgga aaaaaaccct cttggaaa 448

<210> 17362
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-028-Q1-E1-E7

<400> 17362

aagacgacag aaggggagag gaagaaaact ttggcagaga gcggagcatc acacatattt 60

tggcctctcc ttcacgatat tcgaagaagt ctcctcctcc ttctccaacg aatcccagat 120

caggcggcaa gtaggcgaat ccttacgaag aattctaact tcatcatcaa cgatagatac 180

tctagtttga ttttcaaagt agtagtgtaa aggaatcaga aatggcggtg ggagagaagg 240

agcacgaagg aactgtggtt gaaagcggcg gcgagaagaa tgattccgcc gttgtactct 300

ctgcttccgg cgagaagaag acgacgaagc gtaaaggttt gttctcgcgt ctttggaatg 360

cgatatttan ggttagaggt gatgatttcg agaagagact taaaaatatc tcaaaggaag 420

aagcg 425

<210> 17363
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-028-Q1-E1-E8

<400> 17363

aaaagaaaaa tggatatgtc gcttgcgtta tcgacggcac caatgagtag gacgattatc 60

tctgccacga ggcggtccca agtttcacaa cctaaagcta agaaagtcaa gccggcgaat 120

aagcggccaa cgatgtcgac aagcggtttc tccggcggaa cgacaaagga gttgacttgg 180

aagtgcgtag aaggttgtgg agcttgctgt aagattgcaa aggacttttc ctttgcaaca 240

cctgacgaaa tcttcgacaa ccctgatgat gttgagctgt atcgaagcat gatcggagat 300

gatggatggt gtctaaacta cgacaaagct acacgcaaat gctctattta tgctgatcgt 360

ccatattttt gtcgggttga gccagaggtt ttcaagtcac tctacgggat t 411

<210> 17364
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-028-Q1-E1-E9

<400> 17364

agaagggatt ctataagaag cactatggag aagaggacat gaaggatctt atagaggacc 60

tggagtggaa taaagtaaat gatttcaaat ggaggaactt atatgagttg aaggttatag 120

ctgtgcaaca aaaggagaag gaacttggtg gtcgactgaa agaacgttac aaggacgaaa 180

atgaaaggaa acaaagtcga caaactaagg tctgctcgaa agctcctcca agcaaaagac 240

cattttgggg taatagtgca tcaggttaca atcttgggca tgtgaagagc aacatcatga 300

agaaggcaaa aatagatctg ttgaagagtc aagaagtgaa aaatcttact gcgattaaaa 360

ggaacaccat tcagaagagt ttcagtattc tactccaaag aaaactgggc ttatctgcga 420

antcgcctt 429

<210> 17365
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-028-Q1-E1-F11

<400> 17365

gcgtccgtac ggctgcgaga agacgacaga aggggagaga agcaaagaga tgtcttttga 60

ggagtttacg ccgttaaacg agaagtctct tgtagactac atcaagtcaa cacctgctct 120

ctcttccaag atcggagccg acaagtccga tgatgatttg gttatcaaag aagttggaga 180

tggcaatctc aatttcgttt tcatcgttgt tggatcctct ggttctcttg tcatcaaaca 240

ggctcttcca tatattcgct gtatcggtga atcatggcca atgacgaaag aaagagctta 300

ttttgaagca acaactttga gaaagcatgg aaatttatca cctgatcata ttcctgaagt 360

ctaccatttt gacagaacaa tggcgttgat tggaatgaga taccttgagc ctcctcatat 420

cattctccgc aaaaggactc aattgctggg gattga 456

<210> 17366
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-028-Q1-E1-F3

<400> 17366

agaagacgac agaaggggac tgaatatgtt gtgactcgtt ggtaccgagc cccagagctt 60

ctcctctgtt gtgacaacta tggaacatcc attgatgttt ggtctgttgg ttgcattttc 120

gccgagcttc ttggtaggaa gccgatattc caaggaacgg aatgtcttaa ccagctgaag 180

ctcattgtca acattctcgg aagccaaaga gaagaagatc ttgagttcat agataacccg 240

aaagctaaaa gatacattag atcacttccg tactcacctg ggatgtcttt atccagactt 300

tacccgggcg ctcatgtttt ggccatcgac cttctgcaga aaatgcttgt ttttgatccg 360

tcaaagagga ttagtgtctc tgaagcactc cagcatccat acatggcgcc tctatatgac 420

ccgaatgcaa ancctcctgc tcaaagttcc ta 452

<210> 17367
<211> 204
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-028-Q1-E1-F7

<400> 17367

ggctgcgaga agacgacaga agggtacggc tgcgagaaga cgacagaagg gtacggctgc 60

gagaagacga cagaagggta cggctgcgag aagacgacag aagggtacgg ctgcgagaag 120

acgacagaag ggtacggctg cgnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnngc ggcc 204

<210> 17368
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-028-Q1-E1-G10

<400> 17368

agaattgttt acattggaat gcctcttgtg ccggcagtga ctgagctagt tgtcgctgag 60

ctaatgtatc ttcagtggct ggatcccaag gaacccattt acatttacat caactccaca 120

gggaccactc gtgatgatgg agagacggtt ggaatggaat cagaagggtt tgcgatctat 180

gactctttga tgcaacttaa aaacgaggta catacantat gtgtgggagc agccataggt 240

caggcctgtc tattactttc tgcgggaacc aagggtaaac ggtttatgat gcctcatgcc 300

aaagcgatga ttcagcaacc acgtgtacct tcctctgggt tgatgcctgc cantgatgtc 360

ctgattccgg ccaaagaagt cattacaaat agggatatac ntgtggaact a 411

<210> 17369
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-028-Q1-E1-G11

<400> 17369

ggctgcgaga agacgacaga aggatacggc tgcgagaaga cgacagaagg gtacggctgc 60

gagaagacga cagaagggta cggccgcgag aagacgacag aaggggggtga atctctcatc 120

gttctctcaa atttcgtgtt tttgtaaccg gacggagaac ctttcacgat gtctgcaaac 180

caggaggaag acaagaagcc aggagacgga ggagttcaca tcaatctcaa agtcaaggga 240

caggatggaa acgaagtttt ctttangatn aagagaagca ctcagctcaa gaagctgatg 300

aatgcttact gtgaccggca atctgtggac atgaactcca ttgctttcct gtttgatggg 360

cgtctcctcg tgctgaacaa actcccgatt aacctnacat ggaagatngt attaag 416

<210> 17370
<211> 302
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-028-Q1-E1-G2

<400> 17370

ctggttcgcc ttgccgtacc gcgtccggga attcccnggt cgacccacgc gtccgtacgg 60

ctgcgagaag acgacaaaag ggtacggctg cgagaagacg acagaagggt acggctgcga 120

gaagacgaca gaagggtacg gctgcgagaa gacgacagaa gggtacggct gcgagaagac 180

gacagaaggg tacggctgcg agagacgaca gaaggggttc nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnngcgg 300

cc 302

<210> 17371
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-028-Q1-E1-G5

<400> 17371

gcgtccgtac ggctgcgaga agacgacaga aggggattgg cgacattttt gggaaatcta 60

gagactaata atcaatttcg tcaaaagatc aaatcttgct aaattttctt ctgctcgttt 120

gattttccga atcgttggtt tcgataagtg aagaaaagat ggggaatttg ttcgtgaaga 180

aaccacagat cacggaggtt gatcgagcga ttctctctct caaaacccaa agacgcaagc 240

ttggtcaata tcagcagaag cttgagaaag taattgaagc ggaaaagcaa gctgcaagag 300

acttaatccg tgaaaagcga aaggacagag ctttgttagc attgaggaag aaacgaactc 360

aagaagagtt attgaagcaa gtggatcaat gggtcatcaa tgttgaacaa caattaacag 420

atattgaact tacgagcaaa caaaaggcag tgttt 455

<210> 17372
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-028-Q1-E1-H10

<400> 17372

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taatttctct cagatcatgt tgactganac tccatttagg ccacgagaga agcttctgga 120

gaaacagaga ttgttccaga gcatccaaag gcacacttac ttgaaaggac caatggacaa 180

gatcacttct gttgctantc ctantgcctt ggctgcaagt tctctctaca tgattggnac 240

aggaatctac aacatgtcna atggaatcgg caanaangaa taagcagctt cntgattttt 300

ccntcctttt tatatgcttt tggtttctca atgtatcant cactggncat atgcagtagc 360

aagactaang gttgcactgg tcnttttcct gaaactgttt attccgtcct tgcna 415

<210> 17373
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-028-Q1-E1-H11

<400> 17373

tcgattgctc ttcttcgtag tcgcctttga attcgcagag tgagaagcaa tgagggtgag 60

atcatctgtg aagaagatgt gtgagttttg taaaacagtg aaacgtcgtg gacgtgtgta 120

tgttanangc ncttccaatc ctaagcacaa ncaaagacaa gggttcagtt cctttgctta 180

tgaaggaatt acaccttccc ctttgtttgc tgagccgatt gctagtcagg anttggtgag 240

gctgcctggt caggggggtat caaccggact gggcatcact tttacacaaa aggccntatg 300

ccaacagcgt atttcngatg ngaggtctgg tcttgcatcc attctcttca aacagggaaa 360

ttagggatgt caacatttcc ctttttatcc ctcanatttg tacccctttt cttccacaac 420

c 421

<210> 17374
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-027-Q1-E1-F9

<400> 17374

ggctgcgaga agacgacaga agggtacggc tgcgnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ngagctttac 120

aatttctctc tacagagatc gaagatatgg aaggcaagga agaagacgtt agagttggag 180

ctaacaagtt cccggagaga caaccaatcg gaacatcggc tcagagtgac aaggactaca 240

angaaccacc accagctccg ttttttcgaac ctggtgagct ttcttcatgg tctttttgga 300

nanctgggat cgctganttc ancgctactt ttctctttct ccacatcaac tgtcttgact 360

gttatgggag ttanaaggtc accgnagatt gtgccttcct ccgggatcca aggaatcnct 420

tgg 423

<210> 17375
<211> 296
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-027-Q1-E1-G2

<400> 17375

ngtnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnncgg 60

ccgcncaaaa ggatccaaag cttacntacg cgtgcatgcn acgtcatagc tcttctanag 120

tgtcacctaa attcaattca ctggccgtcg ttttacaacg tcgtgactgg gaaaaccctg 180

gcgttaccca acttaatcnc cttgcagcac atcccccttt cgccagctgg cgtaatancn 240

aanaggcccg caccgatcgc ccttcccaac agttgcgcan cctgaatggc gaatgg 296

<210> 17376
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-027-Q1-E1-G3

<400> 17376

tangctccgg aatcccaggt cgacccacgc gtccgtacgg ctgcgagaag acaacagaag 60

ggggtggacc aagatcgtcc attgaagtga acagtcagca tcgttttgct tgcttgtgcg 120

tttctctcga actctctcca tggctgttgc gctccaattc agccgattat gcgttcgacc 180

ggatactttc gtgcgggaga atcatctctc tggatccgga tctctccgcc gccggaaagc 240

tttatcagtc cggtgctcgt ctggcgatga gaacgctcct tcgccatcgg tggtgatgga 300

ctccgatttc gacgccaaag tgttccgtaa gaacttgacg angaagcgat aattacaatc 360

cgcaaanggg gtcggtcaan aaggagggng acacccaagn tcatgaantc gaggagtaca 420

ccanttgaga tatttgggag acaactgana gagaaaatgg gtagaacttn attcctgggg 480

gaaaatgtta accggtgaaa actccnctaa 510

<210> 17377
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-027-Q1-E1-G8

<400> 17377

aagacgacag aaggggaca cacacaaaaa acccataaaa aaatatggca aatatctcca 60

gtattcacat tctcttcctc gtgttcatca caagcggcat tgctgttatg gccacagact 120

tcactctaag gaacaattgc cctaccaccg tctgggccgg aactctcgcc ggtcaaggac 180

ccaagctcgg cgatggagga tttgaattga ctccaggtgc ttcccgacag ctcacggctc 240

ctgcaggatg gtcaggccgg ttctgggctc gtacaggctg caactttgac gcctccggaa 300

acggtagatg tgtaaccgga gactgtggcg gtctaagatg taacggcggc ggagttcctc 360

ccgtcactcc tggctgaatt cactctaagt agggcgatgg cggnaaaaga ttctacgatg 420

tnaagcctcg tagatg 436

<210> 17378
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-027-Q1-E1-F7

<400> 17378

gcgtccgtac ggctgcgaga agacgacaga agggcataaa aaaaaaaaaa aacacaaaaa 60

agtttcaatg gccgcctcaa caatggctct ctcctcccct gctttcgccg gaaaggctgt 120

gaacctttcc cctgcggcat cagaagtcct tggaagcggc cgtgtgacaa tgaggaagac 180

tgttgccaag ccaaagggtc catcaggcag cccatggtac ggatccgacc gagtcaagta 240

cttgggtcca ttctctggcg agtcacccag ctaccttacc ggagagttcc ctggagacta 300

cggatgggac acagctgggt ctatccgctg accccgagac attcgcaaag gaaccgtgaa 360

gctaaaaagt tatccacagc angtggggcc atgcctccgg agccctaagg ctgcgtcttc 420

cctgaacctt tgggcaagga acggantcaa gtttgggaaa aggaantttt 470

<210> 17379
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-027-Q1-E1-H4

<400> 17379

gcgtccgtac ggctgcgaga agacgacaga agggggctca caaatgtttg aaagaagaaa 60

aaaccctaaa cccccaaaat ttgcttcgag aagaaaatga atggtgtctc tcgtcatctt 120

cgagcttctt cacttctttc attaattcgc agctatggtg gaatcaattc ggtctgtcga 180

ttttcgtctc aatctgatgg cttctctgga gggagattca gagagcaagt gccagtttct 240

ggagagtctg caaataattc aggcttatca aacacgggaa gaatcggttc ctctccggag 300

cctaatcctt cgactttgag aacttttggt gatatgaaag caggcttgtt aaacagaagg 360

agtcaatggt ttctcggctc ctaatgctcc tcctaccttc aaaaagttca ctgagattca 420

agattacaaa actctctacc tgattagttc ggtcaaacna atccaagctt 470

<210> 17380
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-028-Q1-E1-A12

<400> 17380

ggctgcgaga agacgacaaa agggtacggc tgcggagaag acaacagaag ggtacggctg 60

cgagaagacg acagaagggc caacatatgg atatgcacng aatgtacagt ggcgtctctc 120

tcgactcttt cctaaagttc atgactgtac aatctttgac agaggaaggt ctgagaaacc 180

tcggccctta tgtancaact atggntgaaa tcgaaggttt agatgcacac aagagagccg 240

ttnctctcan actcaaggat atcnaagcca aacagcttgc anaatccaat tgngatttat 300

attcagacaa nagaggcaaa aattcttttt gtaatgtatg aacatatttg gtttcctgag 360

atgggatnac aatnanataa gagatgttgg aaaactctta ccatattngc agctt 415

<210> 17381
<211> 306
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-028-Q1-E1-A2

<400> 17381

ggctgcgaga agacgacaga agggtacggc tgcgagaaga cgacagaagg gtacggctgc 60

gagaagacga cagaagggta cggctgcgag aagacgacag aagggtacgg ctgcgagaag 120

acgacagaag ggtacggctg cgagaagacg acagaagggt acggctgcga gaagacgaca 180

gaagggtacg gctgcgagaa gacgacagaa gggctccnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nncggc 306

<210> 17382
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-028-Q1-E1-A3

<400> 17382

taactggtac cctgnacgta cnnntncgcg aggtcgaccc acgcgtccgt acggctgcga 60

gaagacgaca gaaggggaag aaagatgtaa ggagagcaac tggtggtagt agtgacaaga 120

caatgaatag caatagcagt accaacgaag aaagtttagt caacggtgaa gctacaatca 180

gctagtggaa tgcaaacaag atcactgttc atatctgtgt ctcgtgagac tcattacgaa 240

aggaggagag tttcttccaa cggaaccaca gtttcttgaa gctgtgcata tatgttggca 300

agtctggtgt ggaggaggat aacatttttg aagacgtcat atgttgggag attctcagac 360

atttcatcag ttctttctgt tgtcttctct cttgcaaact cattagcccg tttaggttac 420

ttgatatatt aatgtttttg actaaatttt aattgggata gatgattttt cctcagcttg 480

tcaaantttc ccaaattttg ttaa 504

<210> 17383
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-028-Q1-E1-A7

<400> 17383

gaaagaggag tgtgaagcca ttaggaaact tatctctgcg cagccaccga ggtcagagac 60

gcagaaggtt atacatgaat tgaagaagga gattgcagaa ctcgaggctg agaatacagc 120

aagttggaga cttcttgaac taaggaagaa gcagtttgca ttgttgttgc atgtggtgga 180

tgagttgcag gagacaatgg aggatgaaca gaagagtatg gtggaagaaa tgcggaggaa 240

cattaccgct gatggcgctg aagccatgtc catcgattag ctcctaatct tagcaacttt 300

gtcttcctct tgaatgctaa agaaacaaac ctttcattga taagaagaat ctgttttata 360

aaaanaancn ntnggaanca aaanaaaaaa ancggc 396

<210> 17384
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-028-Q1-E1-B12

<400> 17384

aagacgacag aaggggattg ttgcgaattt ctgtgagatt gagaatgcag gcggaggaga 60

taatatgccg tgtttcagac gaagagatca tcgagaatta cctgaggcca aagataaacg 120

gtgaaacatc ttcaatcccg agatatgttg tggaattggc agaggagctg tacactgtag 180

agccttggct gcttcctcga caagcagctc caattctcaa ccctggcgag tggttctact 240

ttgggaaacg caatcgaaag tatagtaact tggaaggtgt tcattgcgan ggatcgtgga 300

tactcnaaga cggttgcatc gcagtcctgt ccaaggagac gggtgaggaa attggtggaa 360

cgacgagatt taagtattac tataagaaca angggataa agagatctct gaagatg 417

<210> 17385
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-028-Q1-E1-B2

<400> 17385

agaaggggga ggctgagata acagacgcgg cgaagaggtc ccttccgatt aaaagtcgca 60

agcattcaac gatggcttcc atcacgaatt atgtccgata catggctcac aagctcgagt 120

actctctcac tctcagcctt aagaaacata ctagagagaa gctcagtgac cgggaactct 180

ttggtgtagt catgaagaat ctattctatg gaagaataag ctacttacac tcggacaaag 240

gaaaagagat ggccccaacc atgggaacaa atgaaagcac gctacttgtc cgtaagctac 300

cagttgttga tacaaggtac attttcgtag gggatgctgt tgtcttgaag gacccgaatg 360

aaacaaataa gtatatagtc agaagactag cagccttaga nggatctgaa atggtatcaa 420

gtgatgagaa a 431

<210> 17386
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-028-Q1-E1-B7

<400> 17386

agtangggga tggagaaaat tatggagtat ctgcaattga gcgatgaggt ggttgacgac 60

ggtgaggcac cgcgagttga agaattttta ggtgaaggga aaagcttcta cgagaatttt 120

aagtctcaga ggaatccgag tcaaccgagt cgaaccgggt ttcatttcct gctctttcaa 180

ggttcctctt cgtttgacgg acagagacaa gaatttagca aatggtgcga ttgcaaatct 240

tgtggatgaa gttggtggag cacttgtaca tggcgaangc ttacctatga gtgtttcagt 300

ggacatgtct attgcattcc tttcaaaagc taagcttggt gaagagttgg agataacgtc 360

gagattgtta ggagagagan gaggttataa aggaacaatc gttgtatcag aaacaagatg 420

accggggaa 429

<210> 17387
<211> 357
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-028-Q1-E1-B8

<400> 17387

ggctgcgaga agacgacaga agggtacggc tgcgagaaga cgacagaagg gtacggctgc 60

gagaagacga cagaagggta cggctgcgag aagacgacag aagggtacgg ctgcgagaag 120

acgacagaag ggagacaaag gtgttgtttt ggtttttccc aagcaaaact caaggaggag 180

gtgactaata tgattatata actttgtatc ttcttcttgt tgttatacat aaatgctgtt 240

tttttactct ttgtaatttc attatcgaat tgttgggaag cctatcaata aattgtttga 300

actgtttgta ttttctgagt tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ngcggcc 357

<210> 17388
<211> 349
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-028-Q1-E1-C11

<400> 17388

ggctgcaaga agacgacaga agggtacggc tgcgagaaga cgacagaagg gtacggctgc 60

gagaagacga cagaagggta cggctgcgag aagacgacag aagggtacgg ctgcgagaag 120

acgacagaag ggtacggctg cgagaagacg acagaagggt acggctgcga gaagacgaca 180

gaagggtacg gctgcgagaa gacgacagaa gggtacggct gcgagaagac gacagaaggg 240

tacggctgcg aagaagacga cagaagggta cggctgcgag aagacgacag aanggtacgg 300

ctgcnagaag acgacagaan ggtacggctg ccagaagacg acagaangg 349

<210> 17389
<211> 452
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-028-Q1-E1-C12

<400> 17389

gcgtccgtac ggcgaagaag acgacagaag gggaggaacc atgaaggttg actcgtctgc 60

gtctccggag gtcgtatccg atctcccacc atcttcccca aagggctcac ctgatcgcca 120

tgacccttcc acttcttctc cgagccccag tcgtggtggt gacaatcggt ctgaagtcat 180

atccaagagt atctgaatgt gacgaggagg ggaaggtgga aatggtgggc gaaggggtag 240

ttaaaaaaag cttaaaggaa gcatgggtga atctgacttc atttgtgaag aggcaaagcg 300

ggacaaggca ngttatagta ttagcgtttg cagtaatctt actgatgcag gtgacgatag 360

tggtgctact gaaaaaagga ngaaggggggc aagtggagta tcatgagaag tacgacgaat 420

acagtgtaaa cggggaaact ttggggtggt ta 452

<210> 17390
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-027-Q1-E1-B9

<400> 17390

gcccacgcgt ccgtacggct gcgaagacga cagaagggta cggctgcgag aagacgacag 60

aaggggatca catcctcaca cacaaaaata aatcatcaca agaccagagt taaaagagag 120

acatgtcgac ttcattcaca atgatcggcg gtgaaggtcc caacagttac cgggaacatt 180

cgaaatacca gggagcactg gttatagctg caaaggaaaa gatcaatgaa gccatctcca 240

cgaaactcga tatcgacttt acttcaaatc ttgttaacat agctgatttt ggttgttcct 300

ctggaccgaa cactttcacc gcggtacaaa ccttaattga tgctgtggaa aacaagtata 360

agaaagaaag taatattgag ggaatcgagt tccaagtttt ctcatgatcc tcaaacaac 419

<210> 17391
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-027-Q1-E1-C3

<400> 17391

tgttgttttc ttatagaagg attttgattt cttctgcaaa attcgatcga tagtgacgag 60

aaagatccta agatggcgac cgcaagcgag agttcttcat ctaagagatg gcttccactt 120

gaatctaacc cagatgttat gaatcagtat ctctggggac ttggtcttgc ccctgatgaa 180

gcagagtgca atgatgtgta tgggttntac gatgaacttc tnnagatggg tccananncn 240

gttcttgccg gtgctctcct ttacccatca cacaaagatg gtgaanaaga ngaatccncc 300

aacacaaagg gngnttttgg ganaaggtgg cananccgnn taaangttta ccttttttgaa 360

aacaaaactg gtgggtaaat ccttgttgga accaattggg gcntccctcc atcc 414

<210> 17392
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-027-Q1-E1-B8

<400> 17392

ggctgcgaga agacgacaga agggtacggc tgcgagaaga cgacagaagg gtacggctgc 60

gagaagacga caggagggca cggctgcgag aagacgacag aagggtacgg ctgcgagaag 120

acgacagaag gggggctgtg ttggnagaac ttggtaacaa gtcttangtc tcacttgttt 180

ggcttatgga aacccacaca tgcatgagca gcctctgang tttaccttat gtcttacatg 240

atcattgttg aataattcat tgggagttta tgacaatggg agctttcaaa tatctgatta 300

ttttgtattg atacatgcac aatgctagat ttgtatccat nagatagttg cataaaccaa 360

tatactatac cctcggatct tancttattt tcattgatat ccttgttgtt ttgtgctgta 420

aacatatc 428

<210> 17393
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-027-Q1-E1-D10

<400> 17393

acaacaacaa caaacaagag ctcaaacact tcataactaa acatccttta aagcctcttc 60

aaaaactcaa tcatgtcaag caactgcgga agctgcgact atgctgacaa gacccagtgc 120

gtaaagaagg gaaccagcta caccttcgac atcgtcgaga ctcaggagaa gctacaagga 180

ggccatgatc atgggacgtt ggtgccgagg agaacaacgc aaattgcaan tgcaantccg 240

gccctcttgc anctncgttc aacngcattg ctggcccaat taatnaagct tccttaancn 300

anaantgtna tatgaataaa agttgaannt ggggccnacc atttagccca antccccccc 360

attanaaacc nccccaanaa nggggtnatt tantggggta ggcccttnct ttccttcc 418

<210> 17394
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-027-Q1-E1-D2

<400> 17394

gagaagacga cagaaggggt tcacagagat ttgaaaccgg aaaacattct tatggccaca 60

atgtcttctt cgtctcctat caaattggct gattttggac tggcaaccta tataaagcct 120

ggcgaaaagc tgagcggaac agttggtagt ccgttttata tagccccgga agtgttagca 180

gggggtataa ccaagctgct gatggctgcc gatttgagat tttctgcaga gccatgggac 240

aatataactt catacgccaa ggatttgatt cgcgggatgc tttgtgtgga tccttcccaa 300

aggttatcag ctgacgaagt tctagctcac tcttggatgg agcagttatc tgaatcaggt 360

caagaacaat atgatnaagg atgggtttgg ttgtgaagga ttggagaatg gggaatgtcc 420

tttctcaaac aatg 434

<210> 17395
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-027-Q1-E1-D3

<400> 17395

gcgtccgtac ggctgcgaga agacgacaga aggggaggta tggaaagctt tacttgaaac 60

tcgcaaagag ctacatagaa aaaggttcag actatgctag caaagaaacg gagaggcttg 120

gacgggtgct tgggaagtcg ataagtccag tgaaagctga tgaactcact ctcaagagaa 180

atatcctaac cacgttcgtt gcttcttctt aaaagtcata tagcttgaag ctaagagaat 240

aggagtcgag agagtttata actgatactg ttttgagatt ttatgtttgt caagatcaag 300

aacgtctgtg gttatttctg gttagttctg aaactctttt gaacccaagt ttatctgtct 360

ctggtgaaca agcgaccacg ataatcataa acttcatccg cgttaaaaaa aaaggtcaat 420

aatgggccan gctcct 436

<210> 17396
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-027-Q1-E1-D5

<400> 17396

agacgacaga aggggaatga tgaagatcct ctttacgccg acgtacctaa acctccgaag 60

gataaatcgg agaggaaacc gtatccgact ccgatgaagg agtttgattc gtcgtgcgaa 120

agaggagaaa caactgagaa aattacaacc atgtcgagtt ctcgaagatc caccggataa 180

tggtttactt gtgccggaac ttgtcgacgt agctcactgt gttcaccgat gccgtaacat 240

gttgctctct ggcctctcta aaatcattca tcatgttcct gttcatcgtt gcagattgtg 300

cgctgaggtt catattggca agcaaggtca tgaaatcagg acttgcactg gtcccgggag 360

tggttcaaga agtgcgactc atgtttggaa aagaggaaga gtgaattgat gttgtgttg 419

<210> 17397
<211> 173
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-027-Q1-E1-D6

<400> 17397

ggctgcgaga agacgacaga agggtacggc tgcgagaaga cgacagaagg gtacggctgc 60

gagaagacga cagaagggta cggctgcgag aagacgacag aaggatacgg ctgcgagaag 120

acgacagaag ggtctgnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnngcg gcc 173

<210> 17398
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-027-Q1-E1-D7

<400> 17398

gaagggggag aaaggcaaat cggagacgat gagcgaaacc gaagcaaccg gcgttaccga 60

tgattcggct ccagcgattg agactgaaac tgtttctgat gcgatggagc atacagcgat 120

cggagtggtt gaatcggtgg aaggagccat agaaggagca gagaaatggg tgggtgattt 180

gcaacggacg gtgaaggaat cgaaggatac cgcaatgcgt tctgctcgtt ccctccgtga 240

aaattctacc tctcagttcc gctccataca ggatttcatt ccacatgctt tgactcagta 300

taagacctat gagaatgctt tcttcagtaa agttacagac gaattgatat acgcaaaaga 360

acatccggct gctgctantg ggattggtgt cgctgctatc tcgttctgat ccaagg 416

<210> 17399
<211> 649
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-027-Q1-E1-E12

<400> 17399

tgntctaccg gcccggaaat cccggatcga cccacgcgtc cgtacggctg cganaagacg 60

acagaagggc agtcnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngcggcc gctctagagg 120

atccaagctt acgtacgcgt gcatgcgacg tcatagctct tctanagtgt cacctaaatt 180

caattcactg gccgtcgttt tacaacgtcg tgactgggaa aaccctggcg ttacccaact 240

taatcgcctt gcagcacatc ccccttttcgc cagctggcgt aatagcgaag aaggcccgca 300

accgattcgc ccctttccaa acaagtttgc caagcctnga aatgggcgaa atggggaacg 360

ccgcccctgg ttaaacgggg cgccaattta annccnccgg gcgggggggtt ngtntggttg 420

ggtttaacgn ccccccaaanc ggtttaaccc ggncttaaac aanctttttgc cccaaagcng 480

ccccccttaa aaccggcccc cggggntccc ccttttttcn gccctttttc cctttncccc 540

ctttcccccc ttttccncgg gcccaaaagg gtttttccnc ccccgggggn ttttttnccc 600

ccccggttna aaaaaggnnt ncccnaaaaa aattccgggg gggggggcc 649

<210> 17400
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-027-Q1-E1-E2

<400> 17400

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cttcaaaaca tatttctctc tctaaaacct ctttttcata aaaggttgcg tcatctatac 120

gaatccatac gtctctttgc ttttctccga tcggtcttct tttctcatcg ccggaacgct 180

ttggtaatgt ttctcatttc tccgatcatt attgttgttt cgccgttgag ctgattattt 240

cgtgttggta tgtataaaca agccgatcgt tgtttccttt tttctcttgt gattgtgtga 300

tgatggattg tttctttttt tcggtttaat ccggtttatt cccggttttg ctgctacatc 360

ggtgactttt cccacaatct tcgggtatga tcgcgatcat gtccgttaac cggagtcggt 420

tctgaaantt cagacttcga atttgtccnc tttcacgtag 460

<210> 17401
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-027-Q1-E1-E4

<400> 17401

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cttgagagag atcgatgtcg tcaaagatgg tgaagtcttc agaaatcgtc ggaaaactta 120

atctcagggc acaccaagaa ggaggctttt tcgctgaaac tttcaaagat tcttctgttt 180

tcctctccac ctctcagctc cctccaacct ttaaggtgga cagagctgtg agcacaagta 240

tctacttctt gcttccatct gtgagcgttt ctcgtcttca tcgcatacca atggctgaaa 300

cctggcactt ttatttgggt gaacccctta ctgtagtgga actctacgat gatgggaagt 360

tgaaattcac atgtcttggt cctgacttgt tttgaaaggt gattagaagc ctcaagtaca 420

cggtccctcc aaaacgtctg 440

<210> 17402
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-027-Q1-E1-F2

<400> 17402

agaaggggag gtccagaaag ttgggtctct aagcagctct gatattttcc ctgctggtgt 60

gggatggttt atggactttg tgtcaggacg acataagaca cttcacaaag ttttcgtcga 120

ggttgatact ttgctaaatc atgtaattga tggtcacttg aagaatcctg aagacaaaac 180

aaatcaagat cgccctgata tcatcgactc gatcttagag actatttata aacaagaaca 240

agatgaatct ttcaaactca ccattgatca tctcaaagga attatccaaa atatatatct 300

tgctggagta gacacaagtg ccatcaccat gatttgggca atggcagagc ttgttaagaa 360

cccacgggta atgaagaaag ctcaagaaga gatccgaaca tgcattggat caaacagaag 420

gagagaatcg aagaagaa 438

<210> 17403
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-027-Q1-E1-F4

<400> 17403

ggctgcgaga agacgacaga agggggccac acactcactc actcgtagtt tcgacgctat 60

ctctagaaca ttccgataaa ccacannnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn ncttacgtcg acgatcactt aatgtgcgat gttgcaggca 180

accgcctcac cgccgccgca attctcggcc aagacggtag cgtctgggct cagagcaaca 240

attttcctca ggtgaagcct gaggaaattc agggcatcaa agacgatttt actacacctg 300

gaacacttgc cccaacagga ttgttccttg gtggtaacaa gtacatggta atccaaggag 360

agcctaatgc cgtcattcga ggaaagaagg gagctggtgg tgttacatca agaagaccac 420

cttagctttg gta 433

<210> 17404
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-027-Q1-E1-F6

<400> 17404

gcgtccgtac ggctgcgaga agacnacaga agggtacngc tgcnanaaga cgacagaagg 60

gtacggctgc gagaagacga cagaagggta cggctgcgag aagacgacag aagggtacgg 120

ctgcganaag acgacagaag ggtacggctg cgagaanacg acagaagggt acggctgcga 180

gaagacgaca gaagggtacg gctgcgagaa nacgacanaa gggtacggct gcganaagac 240

gacagaaggg tacggctgcg agaagacgac agaanggtac ggctgcgana anacnacana 300

agggtacggc tgcnagaaga cgacagaagg gtacggctgc gagaagacga cagaagggta 360

cngctgcgan aagacgacan aagggcggcc gggaaactgc tantggttgg ttaggtctat 420

cgatttagcc ggtttagttc ggttaaccgt tggcgttcat aac 463

<210> 17405
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-025-Q1-E1-C12

<400> 17405

acacataaaa aaatgagtca acacaacatc ttagaagctc taaatgtcca ggtcgtgggt 60

acgggtgatc ggatcctgtt tttggcccat ggattcggta ctgaccaatc agcttggcac 120

ttgatccttc cttacttcac tcaaaactac agagtcgtcc tctatgacct agtttgcgcc 180

ggcagtgtca accccgatta cttcgatttc aatcgttaca caactctcga tccttacgtc 240

gatgatcttc tcaacatcgt tgattcactc ggaatccaaa actgtgctta cgttggtcac 300

tctgtttccg ctatgatcgg aatcatcgct tcgattcgtc ggccggagct tttctccaag 360

cttatcttga tcggattttc gcctaggttt ctcaacgacg aggattatca tggaggattc 420

gaagaag 427

<210> 17406
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-025-Q1-E1-C2

<400> 17406

aagacgacag aagggaaaag atgggtgcaa ctgctccatt ttggcgattt tcagcagcat 60

cctatccaga tctcaaggag caagcgcctg ttagtgttct tcgaagtagc aaaaaaggag 120

ccattgtccc tcaaaaggaa acatcagcag ggggagatgt ttatcccgtt gagccatttt 180

ttgaccccaa ggtacatcgt attctcgacg ctcactgggg acttctcact gacgaagata 240

cnagtggact acggtcgcat actctatcat tgcttgtaaa tgatattcca ggagttctta 300

atattgtgac tggtgttttc gctcnaaggg gatacaatat ccagagcttg gccgtangac 360

atgctgaaac caanggcaat tcacgcatta caacagttat acctgcaaca gatgaatccg 420

tcaacaaaat tggtgcaac 439

<210> 17407
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-025-Q1-E1-C5

<400> 17407

agaaggggggg ttcccagatc ttcttcaacc ttatacccta gtttcgcaat ttcattctca 60

ttttctccgc tcttcatctc tttcgatcaa ccaatttacg acatggatga ggttgttgtt 120

gaagtggaga agacgaagag agaatgggaa gaagcgtacg agaagacgat tggacatatt 180

atctcgattc aacagtacgg taaatcaagg aggggagatg gaaggagaag agaagtttcc 240

gttacagagg ctcaacggat tggctcaagg atggtctctc tcttctcaat tcccttcaat 300

tcaatttggn tcngctcgca cctcaagctt ccttcngatg atnanggttc aatccaantc 360

aagtcactcc ttgaaaacgt ggaagaatcc aatatccaca agtttgangg gtaaacttga 420

naaantgcta atttgcaanc taagggataa cat 453

<210> 17408
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-025-Q1-E1-C1

<400> 17408

acgacagaag ggtacggctg cgagaagacg acagaagggt acggctgcga gaagacgaca 60

gaagggtacg gctgcgagaa gacgacagaa gggtacggct gcgagaagac gacagaaggg 120

tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga agggtacggc 180

tgcgagaaga cgacagaagg gtacggctgc nanaagacga cagaagggta cngctgcnag 240

aagacgacag aagggtacgg ctgccagaag acgacagaan ggtacngctg cnanaagacg 300

acanaaaggt accgctgcca aaagacnaca naaaggtacc gctnccnnnn nnnnnnnnnn 360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnc 420

ggcccnctaa agatccaact t 441

<210> 17409
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-025-Q1-E1-C6

<400> 17409

agttgtgggc aggttagatc aaaacggtgg agagtgaagt gtcacttgtc acctgtaaaa 60

tccgccaagt attcctctaa aatatcaacc gatatcgctc tccacgagtc tcctcangcc 120

ttgtttgatg aatatttgga agacaaatca agggttttcg aagcaatgtt tccggataaa 180

cccaaaaact ataggcttaa tgaggaagaa tggagaatcc aaatgttacc aataaaaatt 240

ttcttcctca ctggcgtgtc caattggtgg tcatgccgga ttanatgcaa atcccaacgg 300

gtcaaggaat tacccatcaa gacgtaacct cctacacata aaccaaaaag ttccttgaag 360

cctcaaacaa tgaacgaaaa ttnggaaacc ttcaaagggg cttgaacccg aagttaattg 420

ggaaaccaaa ctggaatttt caactccctt gggaagttaa aaaggaagcc at 472

<210> 17410
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-025-Q1-E1-C7

<400> 17410

agacgacaga agggtacggc tgcgagaaga cgacagaagg gtacggctgc gaaaagacga 60

cagaagggta cggctgccag aagacgacag aagggtacgg ctgcgagaag acgacagaag 120

ggtacggctg cgacaanacg acagaagggt acggctgcga gaagacgaca gaagggtacn 180

gctgcgaaaa gacgacagaa gggtacngct gcgaanaaga cgacagaagg gcacggcttg 240

ccaagaagac gacagaaggg ttacggctgc caanaagacg acataanggg tacnggcttg 300

ccaanaanaa cgaaccagaa angggttacg gctngccaaa aaatgaccaa cctgaaaggg 360

taacgggctt gccnaanaaa gaccgaacag aaaaggggtt acngcttgcc naanaaanaa 420

ccaaccggaa aggggttacc ggctngccaa anaangacca nccagnaaag gggtaccggc 480

ttgccaacaa a 491

<210> 17411
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-025-Q1-E1-C8

<400> 17411

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aggaggatca aaaggaggag acaaagacga cgcagagtca aaacagagga agagattaaa 120

aaccctagct ctcgataacc aattgctctc tgattctccg gcgaaatctc attcctctct 180

caaaccttca aaagcaagtt ctcaaacacc atggnaccga catcatccgc aaatctcaac 240

gcaagaatca ctttctcttc tccttccctg gtcttctcgc tcctatctcc gccggctaac 300

atcgggcgat ntcgatngan tatctactaa aaaacctgtc ctctanctta aatttccaca 360

nggtcgtatg aaacttttttg gaacgaattt ggtatccgaa agaacaagat acttgactct 420

tcaattccct agangag 437

<210> 17412
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-025-Q1-E1-D10

<400> 17412

tgctagagaa ttcagcaaca acggtacttc gtccacgacg tcgtcttctt ctcactttga 60

agacgttctt gattcgtttc atcaagagat cgacaacaga aatttccagt tttctaaccc 120

aaaccgcatc tcgtcgctca gaccggactt aaccgaacag aaaaccgggt tccacggtct 180

tgcggatact tctaacttcg attgggctag ttttgccggt aatgttgagc ataataactc 240

ggtaccggaa ctcggaatga gtcatgttgt tcctaatctc gagtacaact gtggctacct 300

gaagacggag gaggaagtcg agagcagtca cgggtttaat aactcgggcg agttagctca 360

aaagggttat ggtgttgact cgtttgggta ttcggggcaa gttggtgggt ttgggtttan 420

gtgatgat 428

<210> 17413
<211> 122
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-025-Q1-E1-D12

<400> 17413

ggctgcnaga agaccacaga anggtacggc tgccagaaga ccacagaaag gtacggctgc 60

caanaagacg acagaaaggt tccgctgcca aaagactaca gaaaggtacn gctgcaaaaa 120

aa 122

<210> 17414
<211> 442
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-025-Q1-E1-D4

<400> 17414

aagacgacag aaggggaatg aggacagaaa taaaaggaaa ccaagtctga aacacaatga 60

ttgattaatc acttataagg cctaaactca cttttcctan ttttgccctt cttttagctc 120

atcaacagag agagagatag atccatggag ggtcttcaaa gatcaacaat ctctttccgc 180

cgtcagggat cttccggtat agtgtttgac gatcgtctca tcgccgaact caacaaatcg 240

ggaaacaacg aagcagaaag acgaaaagtc aacgcgacga acaacctaag cctatgtcgg 300

aaagctctga acaggtcaaa ccaatcgatg agaaagacaa gcntanaccg attaaaaacc 360

ggtggaggag caccangaag gaataganaa gganccattt aaccgtggag gagctcaacg 420

acatcattga acaancggga ag 442

<210> 17415
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-025-Q1-E1-D7

<400> 17415

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ctcaatctca tcaattccga gatttcaaac ttggagaagc tgagagactc tgcagtcagt 180

tcaaatgcga aaccaaaggt accagttaca gttcctgcac cggtttcttc ttcgggtaag 240

ccggtttctt cttcggcatt gaactatgta actctcggaa cattcanctg ggatcaagac 300

aatgacaaag tcaagatgtn catatccttg gaaggtgttg atgaggacaa ggttcaagct 360

gagttcaagc caatgtcttt agacatcaag attcatgatg tncaaggaaa aaattaccga 420

tgtgc 425

<210> 17416
<211> 420
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-025-Q1-E1-E11

<400> 17416

cttgacgatt ttgaatttgt tactcaagat gcagaagctt gtgcaacttc cgcgttctcc 60

aaatgtggat ggcatcttga agaagtacat tgacagccaa atgaagaaac atggcagggt 120

aacagattca ttagaggaaa ttctgaaagg cttgcgttgc tactttgaca aagctttacc 180

ggtgatgttg ctttacaaca atgaacggaa gcagtacgag gaatccgtat caggggtgt 240

ttctccttca actgtgtacg gagcagagca tttgttgcga ctctttgtga aattaccgga 300

gttgctagta catgtgaata tggcanaaga gacattgaag gaattgcagg acaactttgt 360

tgatattctc aggttcttga ggaagaatca gagtgtgctt tttgtatcga catacaaagc 420

<210> 17417
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-025-Q1-E1-E2

<400> 17417

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atacggctgc gagaagacga cagaaggata cggctgcgag aagacgacag aaggggatcg 120

caattcgtat cggtttaaag taaaaaagca atgggaggtg gtaaagacaa gcatcatgat 180

gagcaagaga aaggatttca tggttttcca ggaggtggac attacccacc tgctcaagga 240

ggttaccctc ctcaaggtta cccaccacaa caagggtatc ctccagctgg aggctaccca 300

cctgccggat atcctcctgg tgcttaccct gctgcgcccg gtggttatcc tcctgcacct 360

tgaaggttac cctcctgctg gctatccctg cacctggagc tcaacaatca aggacattct 420

ggtngtggac tccgangcat tataacaag 449

<210> 17418
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-025-Q1-E1-E4

<400> 17418

aagacgacag aaggggatcg acaaaaaatt tactgaaagc gaaaaaaata atggcagctt 60

tggcatcaaa cccccaaatg ctaactagac aagctcacgg taacaagaag gaacaattgt 120

ggaggaaaga gagtttaaat ttggagaaga agtgtgggtt ttgtgtganc gtttacagta 180

atgaaaagct tgggaggtca catatggaga aagagtggag actaaaagcc ttttggtcaa 240

acatagctca gcctacgact ttggagatgg gacccattaa caacgttgaa gaactccatg 300

ctgttctctc tcacgcacgc caactctctc aacctatcat catccnaatg ggatgggctt 360

ccntgggtgt ccaaaaatgt tattaacctg aaancctaaa tttggngaaa anttaccggg 420

caagaattat aattaaaccg agcaaaagtt ttttc 455

<210> 17419
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-025-Q1-E1-E6

<400> 17419

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ggcgatagaa accctagatt tgattctccg tcggttatat ccagcaatgt cgtttttttcc 120

cccacagcaa caacagacgc ctcagccgct gtttcagact cagcaaacgt cgttgtttca 180

gccgcagcaa accaattcca tcttctcgca atcgcaacca cagcaaacca attccatctt 240

ctcnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnttgt atttgttcac 360

caacgataaa ntccggcgaa ttacagtact aagtgggccg atcttcatcc cgattctcan 420

aaactcttgc 430

<210> 17420
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-025-Q1-E1-E7

<400> 17420

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caagcgaatc ccgattaact gatcgaggag atgggtaata cagataagct gatgaaccag 120

atcttgaatt gaaatttacg tcaaagtctc tgcagaggca agctaagaag tgcgaaaaag 180

angagagatn ggagaaactc aaggtaaaga aagccattga gaaaggtaac atggatggtg 240

ctcggatnta tgccgagaac gccantcgca aacgcagcga anaagatgaa ctaccttcgt 300

cctctccttc tcgaattgga cgccggttgt tgctccgact ccaataccca agcctaagat 360

ggctaccatc accaaatccg atgaccaaca ttgtcaaatc cctccgaatc gtctcttaca 420

actgggcaac ttacagaag 439

<210> 17421
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-024-Q1-E1-F12

<400> 17421

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tgatcacgcc ttgaaagtgt ttgataaaat ggctcaggca attggtccaa gactgtatag 120

ttgctgcaac tgcagaaacc atgttggact tcacgatgat atcatctcta aggcttttca 180

gggaagaact gggcgagcct tcttgttctc ccacgcaatg aacattgtgg taggacctaa 240

agaagaccgg aatcttctaa ctggtctaca caccgtggct gatatatctt gtgttgactg 300

taacgaacca ttgggttgga aatacgagcg agcttatgag acctcacaga agtacaagga 360

gggcaagttc atattcgaaa aggctaagat tgtcaaggag gattggtana actgaagaac 420

<210> 17422
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-024-Q1-E1-F6

<400> 17422

gcgtccgtac ggctgcgaga agacgacaga agggggagag agaacgaagc aaaaaacctc 60

gctcgctagc tatgtgaaga aactatcttc gttataaaac tttccggcga cgttttccga 120

cttccgagag caggttttga ggtggtttta tgcgccaaaa catctaaccg gagtgtcgtt 180

gtacggtgct tagtagtttt caataacacg cttcagttat ggggaatgct tgttgtgttg 240

ctactcgaga caaaatggtt gtgcctaata catcagcagt cgagaatttt caaagaaaca 300

atgtgaggta ttctcctaac tggagcttcc gatgggataa tagagganga cgcgtggcag 360

gggaagagac ctctgttagt ttgttatctg atcggattaa tcgtaacaat gtctctgaag 420

tcnaatctga aactgctcct tgtatcatca caaggttctc ctttggacat tt 472

<210> 17423
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-024-Q1-E1-F8

<400> 17423

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nnnnnnnnnn nnnnnnnnnn nnnnnnnaaa ccaaaaaatg gcagatcagc tcaccgatga 120

tcagatctct gagttcaagg aagcttttag ccttttcgac aaagacggag atggttgcat 180

cacaacgaaa gagctaggaa cagtgatgag atcattaggt caaaatccaa cagaagcaga 240

gttacaagat atgataaacg aagtagatgc tgatggtaac ggaaccatag acttccctga 300

gtttctgaac ctaatggcta ggaagatgaa ggacactgac tctgaagaag agctcaaaga 360

agctttcagg gttttcgata aggaccaaga acggtttcat ctcggcagct gagttaagac 420

atgtaatgac aaatcctggt gagaaattaa ctgatgaaag aaattgatga aatgat 476

<210> 17424
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-024-Q1-E1-E9

<400> 17424

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gaatttccaa tccgtatggg gatcctaata ttcttgcaga atttatcgct ggacaattaa 120

aaaatcgcgt ttcttttcga aaagcaatga aaaaagctat tgaattaact gaacaggcga 180

atacaaaagg aattcaagta caaattgcag gacgtatcga cggaaaagaa attgcacgtg 240

ttgaatggat cagagaaggc agagttcctt tacaaacaat tgaagctaaa attgattatt 300

gttcctatac agttcgaact atttatgggg ttttaggaat aaaaatttgg atattcgtag 360

acgaagaata aaaaaacttc cttancttat attttatccg acgataaaaa aacgaaaatt 420

a 421

<210> 17425
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-024-Q1-E1-G10

<400> 17425

ggctgcgaga agacgacaga agggggttct ggatatattg atggattttt atgtttttgg 60

tgaaaaggtg agaacttggt tggagcaatt gatcacgcct tgaaagtgtt tgataaaatg 120

gctcaggcaa ttggtccaag actgtatagt tgctgcaact gcagaaacca tgttggactt 180

cacgatgata tcatctctaa ggcttttcag ggaagaactg ggcgagcctt cttgttctcc 240

cacgcaatga acattgtggt aggacctaaa gaagaccgga atcttctaac tggtctacac 300

accgtggctg atatatcttg tgttgactgt aacgaaccat tgggttggaa atacgagcga 360

gcttatgaga cctcacagaa gtncaaggag ggcaanttca tattcgaaaa ggctaagant 420

gtcaaggagg 430

<210> 17426
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-024-Q1-E1-G12

<400> 17426

ggctgcgaga agacgacaga agggtacggc tgcgagaaga cgacagaagg gtacggctgc 60

gagaagacga cagaagggta cggctgcgag aagacgacag aagggtacgg ctgcgagaag 120

acgacagaag ggtacggctg cgagaagacg acagaagggg ggagcgattc ggtcaaaacc 180

aacgctggat tacacagcag aagatttctc gtttcatatt tcgacaaact tagaatctgc 240

ttatcatctg agccagcttg cgcatcctct gcttaaggct tcaggatgtg ggaacataat 300

tttcatgtcc tctattgctg gagttgtatc tgctagtgtc ggctccatct actctgcaac 360

gaaaaggggc attgaatcan ctagcaagga acttggcatg tgaattggct antgatgcat 420

taagg 425

<210> 17427
<211> 543
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-024-Q1-E1-H1

<400> 17427

ctggtncctg cactacggtg ccgaatcccg ggtaaaccca cgcgtccgta ggctgcgaga 60

agacgacaga anggggangt ttgtttgtga agcgtgtgaa ggaaatgatt tcaatggagg 120

agaagaacac atacggcaaa agaaagactg ttcctctgat tccggctaac tacatcagca 180

tccttcagct ccaggagcgt tggctcaatg agaaagannn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nagcggagga ggagaaacct atgaatccaa attatcggaa gcattttggg aaaaaaaaag 360

gaatcctata gacgggcggn naaancacga tttccttnag aaaggagaaa acccggaaag 420

tcaccgtggc cattcgaaaa nccgttggaa ggttnaaaaa tncccggcgg gntggnttta 480

nccgaanaaa gaangaagaa agaattaaag gggaaccttg gnngggaaac cantttatt 540

ttc 543

<210> 17428
<211> 461
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-024-Q1-E1-H10

<400> 17428

gcgtccgaga cgacagaagg gggggttagg tttgtcttca aaatcgtcag aagaagaaga 60

agaagtcaaa gacgataaca atgacgtcat catcgtacct ccgatttgcg atcgccgtcg 120

tagctttcct ctcaatcacc accatcacca ccgcacgtcc ttgcaaaacc ttcctaatct 180

cctcatattc cctctcaata accccagaaa accctaacct cgaatccgat ttcacctcca 240

cacgattcgt caccgttttc acaatccgtc gtctaaatcc tcatcacgtg gttcctttct 300

tcgtcaatcg tcgtcacgag aagccacaga tccaatcgga tcgttccctc cctttgatct 360

ctgataacat caattcgttt agagatngaa ccagagatat tcttagcgtc gtcgtcgcgc 420

ctttgttcgg tgttggttgt gggtgcttaa accgctgcta c 461

<210> 17429
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-024-Q1-E1-H2

<400> 17429

cgggccnaat ccgggaaacc cacgcgtccg gctgcgagaa gacgacagaa gggtacggct 60

gcgagaagac gacagaagga tacggctgcg agaagacgac agaaggatac ggctgcgaga 120

agacgacaga aggatacggc tgcgagaaga cgacagaagg atacggctgc gagaagacga 180

cagaaggata cggctgcgag acacgacaga agggtacggc tgcgagaaga cgacagaagg 240

gtggttagag agctgggagc gagaagatac ttatgctgct cttgctgttg tctgtgctgc 300

tgcttccgtg gctgttgcct atacttgcta caaacagttg taacgaagaa atttgtagcc 360

ctaagatgat tgtgtattgt gttcttataa gacattgtga ttttgtttct gctttcaaac 420

tacattttcc tttcnattta aangaaggtt cctgtcaaaa ctgtttgatg atatgtaccc 480

ggttaactcc gccttccgcc ttc 503

<210> 17430

<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-024-Q1-E1-H8

<400> 17430

atttaaacgg aaacgctaaa gaatacaatc ttattgatgg tggagttgca gctaacaacc 60

cggctttgtt ggccattggg gaagtaacaa atgagatctc aggaggaagc agtgactttt 120

tcccaataag accaaatgat tacggaaggt ttcttgtgct ttcgcttgga accggaaatc 180

ataaagccga agagaaattc aatgcaaaag aagtagctgg ttggggacta ttgaattggt 240

taacacacga caactctaca cctatcattg atgctttctc gcaagctagc tccgacatgg 300

ttgatttcca tctctctgcc gtttttcgag ctcttcattc cgaagccaac tatattcgca 360

tccaggatga cacattaact ggggatgctg cttctgttga tatcgctacc gtcgagaatc 420

ctggacattc ct 432

<210> 17431
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-024-Q1-E1-H9

<400> 17431

aagacgacag aaggggggaag atcatcacaa gcaaagaaaa tggagagcga ttcagagatg 60

gttccgtttc ctcaactacc gatgccaata gaaaacaact acagagcttg cacaattcct 120

tacagatttc cttctgatga tcccaagaaa gccactccaa atgaaatctc gtggatcaac 180

gtcttcgcca attccattcc ttctttcaag aaacgtgcag agagcgatat cactgttcca 240

gatgctcctg ctagagctga aaaatttgca gaaagatatg ctgggattct tgaagacttg 300

aagaaagatc cagagagtca tggcggacca ccagatggca ttcttctatg ccgacttcgt 360

gagcaagtac tcagagagtt aggatttagg gacatattca agaaagttaa ggatgangag 420

aatgcaaag 429

<210> 17432
<211> 441

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-025-Q1-E1-B11

<400> 17432

cgaacaaaca tgagcttgac gctgcttcaa ggctattctt ctnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnncttctgt gtttgatttc tctgcatctg cctcctccgc taaaaacgcc 180

ggccttcctt cagctgacga cgttttctct cagatttcag ggccaccggg agtttctaaa 240

caaccgcaca gaagcagata atgaagcttc agctagagat gcagaacatg caaatccgta 300

ttantcccaa aaagaaagaa agtttaanca aaaaggtgtt gtcatgggaa gcaaaanctc 360

aactagttag gaatccatga naganttaga aacgatatng ntggaacccc catcntnaaa 420

naattgggga aaagcgggta t 441

<210> 17433
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-025-Q1-E1-B2

<400> 17433

ggctgcgaga agacgacaga aggggactat ctggacactt tcgatttctg aagttgagag 60

acgactatgg cgacgaacaa tggtgatgtc ttgatgttgg aggcgacgcc ggaggctgcg 120

aggccctggg ctagtgcggc gaatgcagaa gttatcgatg cgcttcctta tatagacgac 180

gactatggca atccattgat taagtcggag gtagaccgtt tggtggagga agagatgcgt 240

cggagctcta agaagccagc tgagtttcta aaggacttgc ctcctcttcc gaagttcgat 300

tttaagaact gctcctgttc ttgggcaaaa gagtatganc cgtgttanag ctgggaaacc 360

tcctgtgcgg ataaanttcn aatcccgata caaaacttga aatgncaact gncaataaga 420

agaatgatga tgctg 435

<210> 17434
<211> 439

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-025-Q1-E1-B4

<400> 17434

aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 60

acagaagggg acaacaacag attttaaaaa accccaaaaa ctttacattc ttaacaattt 120

caaccctatg ggcttacttg atcatctctg ggatgatact gtcgctggtc cacggccaga 180

gaacggcctt ggcaagcttc gtaaacaccg taccttcagt ttccgaccta gctccggcaa 240

tgatcaatcg gaagctggaa gtgtgagatc gtacggtgag gattcgctac cggaagaagc 300

agttaaagtt acacgtggta tcatgataat taaaccaacg ggttaccaan gnaattcaac 360

tccaacttcc ctggccgggn tcaactccgc cgctatcaac cctctctccg ccgctgtctc 420

gntctcctga acaaaaaca 439

<210> 17435
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-025-Q1-E1-B6

<400> 17435

ggctgcgaga agacgacaga agggggggagc tcttaaccta cgcggatgct ccgattttat 60

gacagctgag ctcgatttgg ttgataaaca aaggcttcaa gaattctacc ggaatcaatg 120

gaggttctgg taggttctac gtttagggat cgtagcagcg tcacgacgca tgatcaggcc 180

gtaccggcgt ctctgtctag ccggattggt ttgaggagat gtggtagatc tcctccgccg 240

gagagttcgt cgtccgttgg agaaaccagc gaaaacgagg aagatgaaga cgacgccgtt 300

tcgtcatcac aaggaagatg gctcaattcc gtttagttca tctttggaag attctcttcc 360

gattaagaga agattatcaa accattacat agggaaatcn aatcgtttgg ggaatttaat 420

gggaagcg 428

<210> 17436
<211> 459

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-024-Q1-E1-B10

<400> 17436

gcgtccgtac ggctgcgaga agacgacnga aggggactca ccacataaag taaaagtctc 60

atctcttcat aaaatagctt taaaccaatc aagtagagtt tcttctnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ctctaaatcc 240

ttccaaaatc ttggtatctc atctaacggt tcagatttct cctatccatc aagtttcact 300

gccaagaaga acctcactgc ttctcgagct ctctcccaaa acgggaatat cgaaaaccct 360

agaccaagca aagttcaaga actgagtgtg tacgaaatca acgaaattag atngacacaa 420

gccccaagat tcttaaaaac gcattcagct taatgttcg 459

<210> 17437
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-024-Q1-E1-B2

<400> 17437

taccgggccg gaatcccggg acgacccacg cgtccgccca cgcgtccgac ggctgcgaga 60

agacgacaga aggggatgga agccatcaag aaaatgaact acagaggctg gcggactaaa 120

gttctggata taacttatgc aaaagaaaga ggtacaaaag ggttagagga gactttggac 180

cgaatttgtg atgaagcaaa tgaagcaata aaggagggct acacattact ggttttgtct 240

gatcgagctt tctctgcaac acgtgttgct gtgagctccc tcatggctgt tggtgccgtt 300

catcaccacc tggttaagac acttgcgcgc acccaagttg gtttggtagt ggaatctgct 360

gaaccacgtn aagtgcatca tttctgcaca cttgtccgga tttggagcag atgctatcct 420

gcccataatt tggctgtaaa ggcgtttata gattacaggt tnatggcaaa tacaaccaaa 480

tctaatgggg aaatccaatc caaagaa 507

<210> 17438
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-024-Q1-E1-B8

<400> 17438

gcgtccgtac ggctgcgaga agcgacagaa ggatacggct gcgagaaaac gacagaaggg 60

tcctaaggaa agagaaagac gggttccgat gacaagactt cggaaacgag ttgcaacaag 120

attgaaagac tctcaaaata ctttcgcgtt gctgacaact ttcaatgaag ttgatatgac 180

aaatttgatg aagctccgat cccaatacaa ggatgcatgt tatgaaaagc atggagtgaa 240

gttggggctt atgtctggat ttattaaagc tgctgttagc gcccttcagc atcaaccagt 300

tgtaaatgca gttattgacg gggatgatat catatacaga gactatgtgg atatcagtat 360

cctgttggta cctctaangg acttgtagta ccngtcatan naangtgctg atcaaatgaa 420

ctttgccgag atcagaagac aatacnctc 449

<210> 17439
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-024-Q1-E1-B9

<400> 17439

agatgaatgt tcaaaaagaa ctaaattgtg tcaatagaaa actcaacatt gctattacca 60

gaatttccaa tccgtatggg gatcctaata ttcttgcaga atttatcgct ggacaattaa 120

aaaatcgcgt ttcttttcga aaagcaatga aaaaagctat tgaattaact gaacaggcga 180

atacaaaagg aattcaagta caaattgcag gacgtatcga cggaaaagaa attgcacgtg 240

ttgaatggat cagagaaggc agagttcctt tacaaacaat tgaagctaaa attgattatt 300

gttcctatac agttcgaact atttatgggg ttttaggaat aaaaatttgg gatattcgta 360

gacgaagaat aaaaaaactt tctttatctt tatattttat ccgacgataa na 412

<210> 17440
<211> 421

<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-024-Q1-E1-C10

<400> 17440

ggctgcgaga agacgacaga agggtacggc tgcgagaaga cgacagaagg ggaagataaa 60

agattcaacg ggaaaaaagc tttatctgaa gcctctgtga ttgtaaggga acacactcca 120

ttgacaaatc tattcatgtg cctctggttc aatgaagttg tccgcttcac ttcgcgtgat 180

caattgagtt tcccatacgt tctttggcgt ttgaaagttc tcaagaacat caacatgttc 240

cctgtctgta cacgtaaaga tctcgtcaat agcataggcc atgtacgcaa ggctaaaccg 300

ttagttaccc tatgaattta ctgtaagctt ccaattcatt ggttatttta gaatcttttt 360

gtatttagcg tgtagacata aaaacagaac tgacatgttt taaactgaaa ccgaactaaa 420

c 421

<210> 17441
<211> 518
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-024-Q1-E1-B1

<400> 17441

ctggttgcnt gggttacggg ccnaatntcg ggangaccca cgcgtccgta cggctgcgag 60

aagacgacag aaggggagat ttgatttctt tgcgggcttg ttaatggcga acccagggca 120

atcaaaggga tggataaaga aatggacgtc tatggcttca tcggtttact tcgtcttgat 180

cttattccag atccctctct tcagagttcc atgtagatct ggtatgtgtt catcgccaat 240

ccatgtgaca tcgtctcagt tgatttctag tgagatcttt cctgttccga tgattaaggc 300

tctcttatac cctggtgctg tagtcaatgg ccttgccatc aacatgacat ttccaaagtg 360

ggaaaatgtg ttagatatct acaatctcac caatgtgaaa ggagcttctg cagtgaccga 420

ttttcaacgc ctaaaaggtt cntgcangga gctacttttc tgtaacctgg gggcgtttgt 480

ggggttgcta aaacctggaa aggatnacaa gtttgggt 518

<210> 17442

<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-024-Q1-E1-C11

<400> 17442

gcgtccgtac ggctgcgaga agacgacaga aggggatgac gtatctaatg aagtacccac 60

aagtgttgaa gaaagctcaa gcagaagtga gagagtatat gaaagagaaa ggttcaacgt 120

tcgttactga agacgatgtc aagaaccttc cttacttcag agccttagtt aaagaaaccc 180

taaggatcga accagtgatt cctctcctta tccctcgtgc ttgcattcaa gataccaaga 240

tcgccggtta cgacatcccc gcaggaacaa cggtcaacgt caacgcgtgg gccgtgtcac 300

atgacgagaa agaatgggga ccgaaccctg atgagtttag gcccgagagg tttcttgaga 360

aggaagttga cttcaaaggc acggactacg agtttatacc gctcgggtca ggccgganat 420

gtgcccggga atgcgtcttg gggccgccaa tccttgangt t 461

<210> 17443
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-024-Q1-E1-C2

<400> 17443

ggctgctnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ntgctgaaaa gcgtcgatga 120

ggaggttgtg gtggccgagg aggggatcag ggagaagata ggtagtgtac agctgacgga 180

ttccaaacat tctttcttga gctccgatgg gagcctccct gttcatgccg gtgaaagatt 240

aggccgtggt atagtgacgg atgctatcac tactcctgta gtcaacacat ctgcctactt 300

cttcaagaaa actgctgagc ttattgactt caaggagaaa aggagtgtga gtttcaatat 360

ggccgtaang taacccacga actgtgtact tgaagataag ataatncact tgaagggctg 420

aatcaacttt ggttat 436

<210> 17444

<211> 525
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-024-Q1-E1-C3

<400> 17444

tttcctgcnc ctaccggtcc cgaatcccgg gtacgaccca cgcgtccgcc cacgcgtccg 60

tacggctgcg agaacgacag aagggaaaag agggtcatca gctaaaagtg aagctcaaga 120

caagggtatt agcattataa ggctacgtgc agatctccag aatgccattg acagtgagga 180

ttacggtttg gcagctaagt tacgagatga aatctcaaag cttgaggcag aatcattagc 240

tgtatctgcg aaagccttgg cttttgagaa agcagagtat gcatttcgtt tgggacagaa 300

acttagacac aaaacttttg gttaccgggc tgtaatgtgt ggtatggatt caaattgcag 360

tgaatcaagc ctcctggatg gaaacctgca aaagttnaaa aattacctcc tggattcaat 420

caaccaattt atcaaggtcc aatccaagtt ccggacgcan ccaaatttac taaatggcat 480

aagttgccga aaacaatctg ttaacncctg aaaaaaccca taaag 525

<210> 17445
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-024-Q1-E1-D10

<400> 17445

ataaaaacaa aaacatataa tttgggtttt tagagttcga aacttgaaat ctttttttt 60

tggttgctga ggaatcgaag tagaagagta taaatgggtg ttagagagaa agatccgtta 120

gcccagttga gtttgccacc aggttttaga ttttatccga cagatgaaga gcttcttgtt 180

cagtatctat gtcggaaagt tgcaggctat catttctctc tccaggtcat cggagacatc 240

gatctctaca agttcgatcc ttgggatttg ccaagtaagg ctttgtttgg agagaaggaa 300

tggtatttct ttagcccaag agatcggaaa tatccgaacg ggtcaagacc caatagagta 360

ccgggtcngg ttattggaaa gcaacgggta ctgacaaaat tatcacggcg gatg 414

<210> 17446

<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-024-Q1-E1-D2

<400> 17446

aagacgacag aaggggggaa ggcggcgaag ctgattgcaa ctggctcagg acatttgata 60

aaagggattc tttggtgtgg agatgtgact atggataggc ttatttgggg aaatggtttc 120

atgaaaagga ggttgtcaaa ggctgagaag gagagtgaag ttcaccctga caccttgaaa 180

agaatcagaa gagtgaagag gatgaccaaa atgacagaga gtgtagcaaa cagcatactg 240

tctggagtcc ttaaagtttc tggattcttc acaagttcag tggcaaacac caaagtagga 300

aagaaattct tcagccttct tcctggaaga agtcatcctt gcatctcttg acggattcaa 360

taangtctgt gaaccctgtt gaaataacct gggaaggaat gttaatgtca anctccnttc 420

aactgttaca aaccgaactc cgttgatnac caaattatgg 460

<210> 17447
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-024-Q1-E1-D6

<400> 17447

acagaagggg actcgagatt tttcgctctt gagagaatca cttcgacaat gtcggtaacg 60

gctgctttca ttgattcgga tcaaactcag cacaacattc ttatggattc ccaatcaact 120

gtctccggtg tgaaaactgt caagattagc aatgtttcac taattgtttc taagaaagat 180

gtcaaagagt tcttttcttt ctctggtgac attcaatacg tcgagatgcg aagtgagaca 240

caagagagtc aggtcgcata tgttactttt aaggattcac aaggagctga aactgcaatg 300

ctcttaacgg gagctgtcat tgcagatctt cgtgttagta taactcctgc tgttaactat 360

cagctaccaa cagaagccct cgcactcgac tcggaacatt cgtttaatgg gttttcctgt 420

caagaaagcc tgaaagatgt 440

<210> 17448
<211> 464

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-024-Q1-E1-D8

<400> 17448

gcgtccgtac ggctgcgaga agacgacaga aggggaaaac aaaacgtaat aaaaaagtgt 60

ataaaatttt atggtgaaaa tacaccagaa tgattgaaat ggaaaggctt acctttggg 120

ctatggaagc ggccggatcg gacacagggc taagtatggc tcgagccttc gtctcacgat 180

gcaaaccggt ctttgctatg cttaaccgtt ggcaatggat tgtaccggtt ctagggaaac 240

ggtttgatcc atcacctagc cggtttgatc gactaaccat tcggttttct ccgagatgat 300

ccgtacggaa cactccattt cctttgaaga gctccggcgt tgtcttcacg atcatacttg 360

tcattttctt tcttatataa aagcataaac cacttanata aatntnatat ncttacnttt 420

angaattgta tatancnnna aagaagttta agagaaangg agtg 464

<210> 17449
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-024-Q1-E1-E7

<400> 17449

cgagaagacg acagaagggg gagagagaga gatgtcgttc atgtatgaga agagcaatac 60

atggagatgg ctagtgatga agacgcgaga ttcgagatcc ttcttcttca cgttcgctgc 120

tttatgtggt gtcattcctg gcgttattgg ctatggagtt atgcaggtca ccaattccag 180

taaccctgag ctcgaagccc gcctccgtaa atctgctcgc ccagatactc tcatgatggg 240

taaagtaaac caagagaggc tagctgaata tcttggtgag ttgaaacaga agcaggatac 300

aaacgacaga tacgttgctg ctcttagggg agagactctt accaggaagc cttatcaaag 360

aatccaacca atgccaaagc cagatgacac ggtgacaacc aaaactcagt taggatgaat 420

taatttaaag agtcaatgtt tagtgaatgc ctcccantcc aatccttgtc caa 473

<210> 17450
<211> 409

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-021-Q1-E1-H6

<400> 17450

gagaagaaga agaaggaatc gaaaaatgaa gactccgatc cacgcggttt cgacatgggt 60

gaggaggcag cttccaaagg tgaaagcttt ccttgccgtc gtatctggca tggcggctct 120

tgttctcctc aaactcatcg ttcacgatca cgacaatctc ttcgttgccg ccgaagctgt 180

tcattctatt ggaatctctg ttcttatcta taaactcatg aaggagaaga cttgtgctgg 240

attgtcattg aaatctcagg agcttacggc gatatttcta gctgtgaggc tttattgcag 300

ttttgtaatg gaatatgata tacataccat tctggacttg gctactttgg gaacaactct 360

cctgggttat atatatgatt cgttttaacc tcaaaactac ntacatgga 409

<210> 17451
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-022-Q1-E1-A1

<400> 17451

gcgtccgtac ggctgcgaga agacgacaga agggggagag cgaagaacac aatcccagag 60

tagcagaatc tgatccatcc cacctttttc aattctcagg caaagataag tcaaacttga 120

aaaaatgtaa gggaccgtgt tcacgccttg tttggaagga atgaagcatg tcaaatctga 180

tcaaggcgag atgcttacta agccattttt agagctttgc aagaccatct tgcctgttat 240

agataaattt ggagctgcta tgactctcgt gaaatctgac attggtggca acataacgag 300

gttggagaag aactacttat ctgatcccga caaagttcaa gtacttgtac acctttggtt 360

caaagtccga aaattgatcc naagatagca aaaaggttct ccanccgttc aaacngtcct 420

cccctgggtt aancaaagca atgggnttcc taatggagct gtttccnaaa 470

<210> 17452
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-022-Q1-E1-A11

<400> 17452

gaaaaagana gatggctgaa gcagcgagaa gacaaggtgg tgggatgacc attaccgcca 60

cctccgagag gcgttaacca ncaacctcct cgccctaaac ctgaacctgt cgatcgtgaa 120

aagacatgtc cccttcttct tcgtgttttc accaanagtg gtggtcatca tactantgaa 180

gattatgctg tgagaggcag nagaaccaaa ggatgaagtt caaatctaca cttggaaaga 240

tgccagtctt cgcgagctaa cagatttggt taaagaagtt tctgtagcag ctatgagaan 300

gaatgctana ttgtcttttg cgtttgttta tcctaacaat aaaggtggct ataatgtgag 360

aaaagttggg gatacgatng cttatccaaa ccgattacaa ccagatnaca gttaaaacgc 420

tttccgaaac ttccgt 436

<210> 17453
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-021-Q1-E1-H2

<400> 17453

atgaatctaa agcaattgtc agatttcagc atctcccatg gaggaatcaa gattcgattc 60

tgaagatgtt gattatgctg agattgttgt tgttcgtcat ggtgaaacat cttggaatgc 120

cgagagaaaa atccagggtc atttggatgt tgagttaaat gatgcaggaa gacaacaagc 180

acaaagagtt gcagagcggt tatcgaagga gcagaagata tctcatgtat actcttctga 240

cttgaagaga gcctttgaga ctgctcagat cattgctgct aaatgcggca agcttgaggt 300

gcttaccgat cgtgatttgc gggaaagaca tttaagagat atgcaaggac ttgtgtatca 360

agaagcttcg aaaattcgcc cggaagctta caaggctttt tcatctaacc gcacagacgt 420

tgatattcca ag 432

<210> 17454
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-022-Q1-E1-A4

<400> 17454

ctaggctccg gaatccaggt cgacccacgc gtccgtacgg ctgcgagaag cgacagaagg 60

gggactcact cagtgtgcgc gattcatttc aaaaacgagc cagcctcttc ttccttcgtc 120

tactagatca gatccaaagc ttcctcttcc agctatggct gcttcagtac actgtacctt 180

gatgtccgtc gtatgcaaca acaagaatca ctctgctcgg ccgaaacttc caaactcgtc 240

tttgttacct ggattcgatg ttgttgttca agctgctgct actcgattca agaaggaaac 300

aacaaccaca agagccactt tgacgtttga tccaccaacc actaattctg agagagctaa 360

gcagagaaaa cacaccattg atccttcttc tcctgatttt caaccaattc catcttttga 420

agaatgcttt cctaagagca ctaaagaaca caaggaagtt gcccatgaag aatctggtca 480

tgttcctaaa gttccctttc gtcg 504

<210> 17455
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-022-Q1-E1-A5

<400> 17455

aaacggaatc ngggtcgacc cacgcgtccg tacggctgcg agaacgacag aaggggggtcg 60

tcgcgtctct tttctggaaa aaacgagaaa ctgtgatctt ggccctttta ttacccctat 120

cctcttcttc ttcaatctct ccgatcaaaa tccttttaag ctctgtagac ccaggttacg 180

cagagaagaa gaacagaaca aggaattata taatcattgg cttgatcaat ctgaattgca 240

gttcatggcg ctaaaccctc aattactacc caatgggatg cctgttccct ttgttaatga 300

aatgttcgtc ctagtccgag atgggtgttg agtttgaagt cgacaagatc cctggnaggg 360

catgggaggt catggttaaa gggcnaaggg gggtgattta cttggccnaa taatacggat 420

ggnccttttgg ttcaagcaag ncctgttgan aacttggtgg ctttgganaa ggccccngct 480

taaaaccaag gcccgggaaa atttat 506

<210> 17456
<211> 440

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-022-Q1-E1-A6

<400> 17456

gcgagaagac gacagaaggg gaagccggtt tcaaattaag gcgaagagag ggtcttgtga 60

gtcagaagag tgttgaagca atgcttatta caagtcatgt gagaagaaac tcccaacaca 120

ataatggcga cgctagcgag aaggagaatt ttgaggatga cattgtattg gatgaggttt 180

acagatctta tctcaaacgg ttagtggaaa attcgaaaag ttcaagaact aatcctgaaa 240

aagagataaa agtaaagtgt gaggaggatc atacagtgtc tttgtctgat tctgattctg 300

atattattgt ggttggagat tgtccatttc tggaagaaga ggattctcca tttgtgccat 360

caaaaagtta taaagtgatt gatttggatg aagagagcag tgatnaacgc aattcctggt 420

ttaggaggga gataatgaat 440

<210> 17457
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-022-Q1-E1-B3

<400> 17457

aactggttgc ggttcctacg gcncangaaa tcgcgaagtc gacccacgcn tccgtacngc 60

tgcgagaaga cacagaaagg gcaaaaaaga aaaaaaaaca canaaaattt caatggccgc 120

ctcaacaatg gctctctcct cccctgcttt cgccggaaag gctgtgaacc tttcccctgc 180

ggcatcagaa gtccttggaa gcggccgtgt gacaatgagg aagactgttg ccaagccaaa 240

gggtccatca ggcagcccat ggtacggatc cgaccgagtc aagtacttgg gtccattctc 300

tggcgagtca cccagctacc ttaccggaaa attccctgga gactacggat gggacacaac 360

tggtctatcc gctgaacccg agacattccc aaggaaccgt nagctaaaaa ttatccacag 420

cangtgggcc atgctccgga nccctaaggt gcgtcntccc tgaacttttg gccaagaacg 480

gaatcnattt tgaaaagcat ttggtccaag n 511

<210> 17458
<211> 516
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-022-Q1-E1-B4

<400> 17458

cggttgcttg cctacggctc cggaatccca ggtcgaccca cgcgtccgcn anaagacgac 60

anaaggggac naaaggaaaa tatgagtgag gagaagagga agcaacactt cgtgctagta 120

catggtgcgt gccacggcgc atggtgctgg tacaaggtta agcctcttct cgaggctttg 180

ggccatcgtg taaccgcctt agacctagct gcttccggta tagacacaac caggtcaatc 240

accgacattt ctacatgtga acaatattct gagccattga tgcagctaat gacttcattg 300

ccgaatgatg agaagttgta ctcgttggtc atagctttgg aggtttgagt ttagccttag 360

ccatggataa gtttcccgat aaaatctctg tctctgtctt cgtgactgca ttcatgcccg 420

acaccaaaca ctcaccatcg ttcgtcgagg aaaanttgca agcagcatga caccagaaag 480

gatggatggg ctctgaactc nagacatatg gttcag 516

<210> 17459
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-022-Q1-E1-C1

<400> 17459

ggaagtcgaa atccgctaag gagtgtgtaa caactcacct gccgaatcaa ctagccccga 60

aaatggatgg cgcttaagcg cgcgacctat acccggccgt cggggcaaga gccaggcctc 120

gatgagtagg agggcgcggc ggtcgctgca aaacctangg cgcgagcccg ggcggagcgg 180

ccgtcggtgc aaatcttggt ggtagtagca aatattcaaa tgagaacttt gaaaggccga 240

agaagggaaa gggtccatgt gaacgggcac tttgcacatg ggttagtcna ttctaagaat 300

ccnggggaaa acccttctga taaccgcnta agccccgaac tttcaaaagg gattccggtt 360

taaaattccc ggaaccggga acnttgccgt tnaccggcaa acntttangg aatcccngaa 420

aacntncggc ngggggcctc ccgggaaaa 449

<210> 17460
<211> 509
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-022-Q1-E1-C11

<400> 17460

tncacaggtc cggaactcgc gggncgacnc aaagcgtcct gnacntgnct cctntanagg 60

ctgccgaaag acgacagaan ggggcatcca aaaaaaacan tacanaaaat tatattcaag 120

agaaaaagga aaaaatgaat ttcatctccg atcaggtana gaaactctca agctcaacac 180

cagaggagcc agaccacaac aagccagtcn aangaaccga aacagctaca agaccagcta 240

ccaacgccga gctcatggca agtgccaatg ttgtanctga agctgctcaa gccgcagctc 300

gtaacgaatc agacaaactc gacaagggta aagtcgccgg agcctctgct gatatcttag 360

acgctgccca gaaatacngt aagttcgatg aaaagagtna ccactggtca agtacctcna 420

acaaggctga gaagtntctc aaacgactaa caagtcgtca cactccaacc ggtgctggtg 480

gtcctcctcc tccgacgaat tcaggctgn 509

<210> 17461
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-022-Q1-E1-C12

<400> 17461

gcgtccgaga cgacagaaag gatggatagt ttattacaag ggtttttgga tgagcataga 60

gctaacaaag acagattgga gtttaagaac accatgattg ctcatttact tgattctcaa 120

gaaaaagagc ctcataacta cagtgatcaa accatcaaag gtcttatact gatgatggta 180

gtaggaggca cagatacatc ggccttaacc gtggaatggg caatgtcaaa tttattgaat 240

catccacaaa tactagagac cacgagacaa aacattgata ctcaaatgga aacatcaagt 300

agtcgtcgtt tgttgaaaga agaagatttg gtaaacatga actacttgaa aaatgttgtg 360

tcggagacac taagacttta acccgtggca ccactttatg gttcctcatg tgccatctcc 420

gactgtgtaa tccgtggatt caacgttcca cgtgatacga tngtg 465

<210> 17462
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-022-Q1-E1-C6

<400> 17462

ggaaatcgcg gngtcgaccc angcntcnnc ccanacgtct gtanggctgc gagaagacga 60

cagaaggggg gagacatacc aaaanaaagc ctaaaaagcc gacctttttt ctttctttct 120

ctcctctacc tctcagcttc tgctggatct ctccagcaga cacgatcttg ttcggagaga 180

ttcgtagggg aacgatctat caaggcttca aggggcaaac agaaatggan cacgacaaga 240

caggatgcca aagcccacct gaaagtccca agctatgtac taacaactgc ggtttctttg 300

gaagcgctgc cacaattgaa acatgtgttc caangttgtc acaagggata tgttgttcaa 360

cangancagg gcgctnagtt tgcatctgca ntgtctggaa natcgtcaac ccagcaanat 420

cataaaggaa anctttttacc gctncatngg tccaatattg aaaaccanat ccgttnaccc 480

gatgctgt 488

<210> 17463
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-022-Q1-E1-D10

<400> 17463

gctttgaacg tttgttggct cgttattcag gtttggggag tcgtgaccag ctgcgaaacc 60

gagccttgtc acatgtgaga aggaacttct ctctccaatg tttggagggc ttgatgatat 120

tggggcagag tttcccagag cttaagagag acacaacaaa agcttcttat tagatcaata 180

aacctaaaat ccaattacga gacgagagat tcctcttgtt taccttcaaa gtcatccaag 240

gaaaatgggg gaaagtcatc actagaagac gactgcccaa aactggccat caatggtaca 300

agctctgcag ctgcagctac ttcagctttg atttaatttt tcgattctga aatatgaaca 360

tcatatgatc ttaagtcctg attttcccta aacaaaggga attcatagga gaattagacc 420

caaagcaaa 429

<210> 17464
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-021-Q1-E1-C4

<400> 17464

gcacttaagt aatggctaca aagacatcaa atttaggtca tcttcttctg tctttgttta 60

ttctgctctt gtttatctta tctcaagttg gagtcgccca ggccaaacgt ctccaacaaa 120

ggaacaaatt gcgtttggat tgcgttcctc ttcctcctcc ccctccacct ctccgtggca 180

tcgtcaaacc tcctatcgct tcgtttcact ctgcatcgcc taaagataaa ggcccataag 240

ccataagtca tcatagtgca ggataagagg tcaagagagt tttataagta ttttgttata 300

caaaaccatg ttgtatcata ttttttattt atagttaagg ttttttttc gtgtctacaa 360

cacatgtaca cacacaatca gacgtatatc tagaataaaa taaaaaagct atatcaaaaa 420

aaaaaaaa 428

<210> 17465
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-021-Q1-E1-C5

<400> 17465

agaggtaaaa atgacaactc cagcagtgaa gaccggtttg ttcgttggat tgaacaaagg 60

acacgtcgtc accagacgtg agctagctcc tcgtcccaat tctcgcaaag ggaaaacgag 120

caagaggacc atattcataa gaaaactgat tagggaagta gctggaatgg ctccttatga 180

gaagagaatc actgagcttc tcaaggttgg gaaagacaag cgtgctctta aggttgctaa 240

gaggaagttg ggtactcaca agagagctaa gaggaagaga gaggagatgt ctagtgttct 300

ccgcaagatg aggtctcctg gtggtgctgc tgctgctgag aanaagatgt agacatctta 360

ataagctctg tgttatggca tatttccttc tattggaaat caagttttg 409

<210> 17466
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-021-Q1-E1-C9

<400> 17466

gcgtccgtac ggctgcgaga agacgacaga aggggattga gggagaagaa tcacattgat 60

agattcgccg ccgatctaga gccgttgatt ttcttaatcg gaaaaagaaa atgagtggaa 120

gcagaaggaa ggcgacgccg gcgagtagga cgcgagtagg gaattacgag atgggacgaa 180

ctctcggaga aggaagcttc actaaggtga aatacgccaa gaacaccgtc accggagatc 240

aagccgctat caaaatcctc gaccgagaaa aggtcttccg tcacaaaatg gtcgaacagc 300

ttaaaagaga aatatctaca atgaaactga ttaaacatcc aaatgtggtt gaaatcattg 360

aggttatggc gagcaaaacg aagatctata tcgttcttga gcttgtcaat ggangtgaac 420

tccttg 426

<210> 17467
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-021-Q1-E1-D10

<400> 17467

agaaggatac ggctgcgaga agacgacaga agggtacggc tgcgagaaga cgacagaagg 60

gtacggctgc gagaagacga cagaaggggt tacggataaa ataatctcga cggaaggaca 120

aagagttggt attaaaaaag ctttggtgtt ttacaccgga aaagctccta aaggtactaa 180

aaccaattgg atcatgcatg agtatcgtct cattgaacct tctcgtagaa acggaagcac 240

taagttggat gattgggttc tatgtcgaat atacaagaag caatcaagtg cacaaaaaca 300

agtttacgat aatggaatcg cgaatgctag agaattcagc aacaacggta cttcgtccac 360

gacgtcgtct tcttctcact ttgaagactt ccttgatcgt ttcaa 405

<210> 17468

<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-021-Q1-E1-B8

<400> 17468

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tccatttttc tcttagacca atctcgcttt cgcatccctc ctatgccttc ctctcgaaac 120

gagacccatt tctgtgttct caacccagaa aatgccttac tacgaatttg aatatgtcaa 180

gaacganaca agggcattct atacaaatga acagaagaca tcttcttatg aaagaaagga 240

agagtttttc gataaattat tccgataagt tcagagatga ttctatgagt agcgaggaga 300

tgcatacaga tgctttggat gtggagatta ttccgccaga ttcacaggac attcgtaatt 360

cacagaactc tgctgtctcc aacacactac aggatgatan ggcaaagtct tt 412

<210> 17469
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-021-Q1-E1-E5

<400> 17469

gccaaaagaa aaatggatat gtcgcttgcg ttatcgacgg caccaatgag taggacgatt 60

atctctgcca cgaggcggtc ccaagtttca caacctaaag ctaagaaagt caagccggcg 120

aataagcggc caacgatgtc gacaagcggt ttctccggcg gaacgacaaa ggagttgact 180

tggaagtgcg tagaaggttg tggagcttgc tgtaagattg caaaggactt ttcctttgca 240

acacctgacg aaatcttcga caaccctgat gatgttgagc tgtatcgaag catgatcgga 300

gatgatggat ggtgtctaaa ctacgacaaa gctacacgca aatgctctat ttatgctgat 360

cgtccatatt tttgtcgggt tgagccagag gtttca 396

<210> 17470
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-021-Q1-E1-F5

<400> 17470

gagacttgtg gtcttcccgg agatggtttc gtttacgggt ttcgctttcg tatttggaat 60

tctacttggg attcttgcga tcgttacggc ggaagttgta aggtttttgt atcttctgaa 120

gcgattgaat cggaaaagag atcgtcagga atcgaattcg agttctgatc caaacttcaa 180

gagttttgat cctcgccaat ccattgattt tagtctcaac aaacagggag tgatctggat 240

attggaatta gatgaaaatg taaaagattg gatgaaggag aaattaccaa aagagcaaaa 300

gaaaatgggg gcagcaaagg cgaggatgtt cgattttagg aagaaagtgg gagagaagtt 360

tgaagagaag aaacgtcacg ttgaggaaaa aagtagacag attgttgaaa agatgagagg 420

acct 424

<210> 17471
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-021-Q1-E1-G12

<400> 17471

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ctgcgagaag acgacagaag gggaagagag ggagattagg gttttttggg tttaggagga 120

ggagagcatt gaaagggaaa acagagtttg gtagaggtag ttatgtgttc ccatcttctg 180

tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnggt 240

ttggttatga tgatactgat ggtattagtt gcagccaaag cagcaggttt tgtgatgtga 300

agatctcaag cattagtaga acaggcagct tctctactct gcctgcacca ccttcttctt 360

cttcaaagtc tcacttttgg acgaatgtgt atgcaggact aaagcaagtg gttccatgga 420

agagcaagaa gactacagtt tgagattctg ccatatcaaa gattcnaaag attaaaca 478

<210> 17472
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-021-Q1-E1-G2

<400> 17472

actaggccaa attttggaga cgctctttct ctttcataga gagagagtga gaaagttctg 60

atacggcggc ttctcactgt catctagctg taccactgac gataaatctc tctcttcctc 120

taaatcggtt aaaaaattca ttcccttctt ggattgctct gttttcttcg gcggttcttg 180

cagctccatt gattctctgt ttcctctgct acagttaact tatacttgca gattctcgcg 240

ttgatagtaa aaagatggtg aagcttttgg agctgttcat aacttcatca aaaccagtcg 300

ttgagattct gttgataaca tcagtcggat tttatatggc tctcgatgga gtcaatctct 360

tggtcatgat gctcgtaaat atctgaacaa cnttgtcntc caagtgttta gtccttcgct 420

tantggaa 428

<210> 17473
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-021-Q1-E1-G4

<400> 17473

caaaaaaaca ttttttctct ataaatcctt tattattgtt ataaaaactc cgatggatcg 60

gcaaaattcc gatgacatca tgagatttct cgatggaatg gctagctccg acgacgttct 120

tttcggtttt cttgacgaag gaaaccagtc accggaagat ttctccgtaa acctcaacgc 180

cggcgaagat gacggtgacg aagacgacaa taataacaat tctgaagata acaaagcttt 240

ttggcaggaa cacgaacaac ttcttcaggg gacactgtat aggacaagtt ccattgaaga 300

caaagattag acaagctaca aaagaagcgt tggaacaagt taaatctaag ggtccttatt 360

gtgtttgccg gcgaacagtg gacggcggtt gccggagttg cttacgtggc gaaatctcta 420

agacncctaa gag 433

<210> 17474
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-021-Q1-E1-G5

<400> 17474

agctgtggaa gaaaggccaa accccatgtt tcattgcttg tactacactc gtcgaagggt 60

tgaggaaatc aggaagaaca gagaaagcgt cagggtttat ggagaagatg atgaatgcag 120

gaattcttcc cgatagcgtg acatttaact tgcttcttcg ggatctctgc agttctgatc 180

attctactga tgcaaacaga ttgagacttt tggcatcaag caaaggatat gaacccgatg 240

agacaacgta ccatgttttg gtttcggggt tcacgaaaga agggagaaga aaggaaggag 300

aagttctagt gaacgagatg ttggataaag atatgttgcc tgatatcttt acatataata 360

gattgatgga tggcttgtcc tgcactggaa aattctcaag gaaacaagtc cggatgttgt 420

aacc 424

<210> 17475
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-021-Q1-E1-G7

<400> 17475

gttgagacga attgaaaagg aaccagaaca actactatca acggtgatcg atttcgccgg 60

gaacggagaa gaaaacccta gatatggcgg agaagcttgc gccagagaag agacacgatt 120

tcattcacaa tggtcaaaag gtatttgagt gggatcaaac cctggaagaa gtgaacatgt 180

acataacttt gccgccaaat gttcatccaa agtcattcca ctgcaaaatc cagtcgaaac 240

atatcgaagt tggcatcaaa ggcaaccctc cctatctcaa tcacgatctt agtgctcctg 300

tgaagactga ttgctcgttc tggactctag aggatgatat aatgcacatt accctgcaga 360

agagggagaa agggcaaaca tgggcatcac cgattctggg acagggtcag ttagatcctt 420

acgcc 425

<210> 17476
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-021-Q1-E1-G8

<400> 17476

gaaggaaaag gaaacgtggg agaaacggta caagacttaa tggcggagga caaattaaga 60

gatcaggatc agggtcaagt agaagaagca tcaatggaga atcaaagaaa ctctattgag 120

gttggaaaag ttggaaacgt agaagatgat gccaagtcat catcatcatc aagctnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnaagggt tttgtgaggg tctagtgagg aacatgatag ctcaacaaga ggagatgcat 300

aagaaactcc tggaagatat ggtgaagaag gaagaagaga agatagcgag agaggaagct 360

tggaagaagc aagagattga gagagttaac aaaagaggta gagattagag cacaagaaca 420

agccatggct a 431

<210> 17477
<211> 515
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-021-Q1-E1-H1

<400> 17477

ctggtnccct ggacgcacag gtccggaact cncgggtcga cccangcntc cgtacgtgct 60

gcgagagacg acagaagggg gcacaaaaga tgtgttagta gaagaagatn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnncc gagagccgta aaagcgttgg 360

tcgagaaccg attctaaatg agaatgtgac ttatgagaat ctacttggga gcaacaagcn 420

aattccgaag ggcctaaaac ccttgatgaa atggtgcaat ttcctgttga aatttgggaa 480

agaanaaagt cataccggct aaaaagattc ntttt 515

<210> 17478
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-021-Q1-E1-H10

<400> 17478

ggctgcgaga gacgacagaa ggggactcac cacataaagt aaaagtctca tctcttcata 60

aaatagcttt aaaccaatca agtagagttt cttctnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnc tctaaatcct tccaaaatct 240

tggtatctca tctaacggtt cagatttctc ctatccatca aatttcactg ccaagaagaa 300

cctcactgct tctcgagctc tctcccaaaa cgggaatatc gaaaacccta gaccaagcaa 360

agttcaagaa ctgagtgtgt acgaaatcaa cgaattaag 399

<210> 17479
<211> 115
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-021-Q1-E1-H11

<400> 17479

ctgcgagaag acgacagaag ggtacggctg cgagaagacg acagaagggt acggctgcgn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn cggcc 115

<210> 17480
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-020-Q1-E1-G9

<400> 17480

aaagtcttga atatttcatc tatatatacc taagaaagaa aagagttaaa gaagtatatt 60

ttcgattcaa agaagaaaaa tgaattctca ccagaatcaa accggagtgc aaaagaaggg 120

aataacggag aaaatcatgg agaagctacc aggtcatcat ggacctacta acactggtgt 180

tgttcaccac gagaagaaag ggatgacgga gaaagttatg gagcagctgc caggtcatca 240

tggtgctact ggtaccggtg gtgttcacca cgagaaagan aggaatgacg ganaaantta 300

tggagcagct gccaggtcat catggatcac accanactgg gaaccaacac anctatggta 360

ctactancac tggtggtgtt caccacgaga aanaaagtng tgccgaaaaa gttatggaa 419

<210> 17481
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-020-Q1-E1-H1

<400> 17481

ggtttgcctt gcccacgncc ccggaaaatc ccgaatcgac ccacgcgncc gtgaaaacga 60

caaaagggta cggntgcgag aagacgacag aagggtacng ctgcgagaag acgacagaac 120

ggggaaattt gagtaccaag agagctcttt ttcatcctaa agagatcttc aaatttagat 180

ttcaacacat aaaagttggt gacattnaan aatgaaggaa aggaantgtg cagaagctaa 240

ggtttaagag accccactcc tcccatttcg agtttttggg tatcnttgaa catttgggag 300

tgtgtgtttt tgggggtaat aggatacaaa acttaaaagc tgtttgtttt gtttgtactg 360

ttttgttctt gggtttgtct cgtactaatc aagtaaaaca aatgtctcgt actctangac 420

tctctctttc taaattggga ttagatgaaa ttacaccata tattttggnt gaaaaac 477

<210> 17482
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-020-Q1-E1-H11

<400> 17482

gcgtccgtac ggctgcgaga agacgacaga agggcaggaa tgaacaacaa tgtcaaaacc 60

gtggttaagt gtgattttct tccttatggt atcaattttc aaagcggagt tgccacgggg 120

agattctgcg atggacgagt ccctgccgat ttgctagccg aagaactggg aataaaatca 180

attgtaccag catacctaga tccgaatcta aaatcgaaag atcttttaac cggtgtatcg 240

tttgcgtccg gaggttctgg ttatgatcct ataacaccga aacttgtggc agtaatatca 300

ttagaagatc aattgagtta tttcgaggag tacatagaga aagtgaagaa tatagttggg 360

gaagcaagaa naagacttca taagtagcca ncagcttaat cctaatgggt cncaagcaag 420

cgacgacnta ncaatacata ctatactcta cgtgcaaaga c 461

<210> 17483
<211> 509
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-020-Q1-E1-G6

<400> 17483

ctggtttccc tgggccctac cgatccggan atcccgcggt cgacccacgc gtccgcccac 60

acgtccgtac ggctgcgaga agacgacaga aggggggggt cgcagtgacc aggcccgggc 120

gactgtttac caaaaacaca ggtctccgca aagtcgtaag accatgtatg ggggctgacg 180

cctgcccagt gccggaaggt taaggaagtt ggtgacctga tgacagggga gccggcgacc 240

gaagccccgg tgaacggcgg ccgtaacaat aacggtccta aggtagcgaa attccttgtc 300

gggtaagttc cgacccgcac gaaaggcgta acgatctggg cactgtctcg gagagaggct 360

cggtgaaata gacaagcctg atctatcacg ttggtcactc aaatacaatg cttttggtca 420

agacattaag tattcttggc ttgctcgtaa tcttcagcct actcctaatc agaaaatcca 480

ttgggagatc tcttgaaggt cttcctaat 509

<210> 17484
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-020-Q1-E1-H4

<400> 17484

acagaggcta gagagaatgg gatgggaata agcttgtttc gcaggttatc agaagcccat 60

cctcaggcaa tttcagtgtt acaaaaccag gtaccgaatg tgtcgaggtg ttatggaact 120

atcaaatgcc ttgatatatg gagacagatt atgctgcggt tctgctgaag tagctgatgc 180

cacacttgtg ctttctacct ccagttctac ttcgccatgg cttaaaaagg ttctggagcc 240

aacaagaaca gttgtatttg ttaatacaga tatgctgcgt gcttttgaag ctanggatca 300

gaatgcgatc aacaatccag ttgaagcttc cataatagct gagattgtag aggagctagt 360

tnncaatgga agtgggctaa gtaaagatat tgggntcatt actccttana actcacaaag 420

ccaaccctca ntc 433

<210> 17485
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-020-Q1-E1-H5

<400> 17485

tgttagaggt agttgccgtg atttgcattc tggtcctgtg agtttgcttc actggtcagg 60

tagtggtaag ccatggttaa gactcgattc caagcttcca tgtcctttag acacattgtg 120

ggcaccttat gatttgtata aacactccca ttgatgccaa tttccagttc gacatattca 180

tggtcatggg gactaaaccg aagatagcag agttgcaatg gtggttttca actggaaaca 240

actatgttga agattgagta aaccctgccg gnacagagtg ctatagtagt attgcttcgg 300

acagttcgac cagaccgtta gacacaattt agaagagtgg acttccgttt taagtgttgt 360

nccggcggtt aaatatgttc ctgtggggaa gaaanaaaat aaanattata gttaaggtca 420

ttcc 424

<210> 17486
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-020-Q1-E1-H7

<400> 17486

gcgtccgtac ggntgcgaga agacgacaga aggatacggc tgcgggaaga cgacagaagg 60

atacggctgc gagaagacga cagaagggga ccgaggaaga tgatgaagtg gtcgatcgtt 120

aagagaatcc ccgtctatgg aggttccttc atttctatga aacatatgat gttagttcca 180

gctgatttga gctggagctg ctcgttctct ggtatgcact ctttgataaa cactggagaa 240

gaagacgagg aagaactctt gaagaagatc gttaaccata gtgaaagtgg ttcaaagatc 300

atcagcaaaa tcgattatac gaatcttgtt gagaagttta caagagatgg aaatctctct 360

ggagcatatg acttgttaca gtctttacaa gaaaagaaca tatgtttgcc tatttcggtt 420

ttcaagaacc ttcttgcagc ggcgggtgag ctgaa 455

<210> 17487
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-021-Q1-E1-A1

<400> 17487

gcacagagtc cgggaactcg cgggtcgacn cangcntccg tacgtgntgc ganaaaacga 60

cgatgcagag tttaacgtca aacgaagttg cgggtttggc agttggggct ctgcttcttg 120

gtgccaccat cgctgctcct aaagttgatg cttttatcgc tgcttctcag agaagatctc 180

ttggcatgtg tcgaaaatgt ggagatctta agaatgtagc ttgtggccgt tgcaaaggaa 240

caggaacaat caaatcagga ggattctttg gtttcagtga ctcatcaaac acaagatcag 300

tggcttgcga taattgccaa gccaaaggtt gtttcccttg ccctgaatgc tcaaaatctt 360

gaccattttc tcggtatttt atagttgttt catcttcttg acactatgat aagtgtaatc 420

ggtccattgg taatgggtaa tgttaaagtt gaagaatgtc ctgtttaatc gagaaatctc 480

ttaatccaan t 491

<210> 17488
<211> 178
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-021-Q1-E1-A10

<400> 17488

ggcgagaaga cgacagaagg cggagaagaa agggaagaag gattgtatca ttatgtgaag 60

gggataattg acggatatat ctgttcagta actagggatt gaatttgttt ggatacccgc 120

tttccgaatg tatctcttgg gccnnnnnnn nnnnnnnnnn nnnnnnnnnn nngcggcc 178

<210> 17489
<211> 238

<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-021-Q1-E1-A12

<400> 17489

ctgcgagaag acgacagaag ggtacggctg cgagaagacg acagaagggg acggctgcga 60

gaagacgaca gaagggtacg gctgcgagaa gacgacagaa gggtacggct gcgagaagac 120

gacaaaaggg tacggctgcg agaagacgac agaagggtac agctgcgaga agacgacaga 180

agggtacggc tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaaggg 238

<210> 17490
<211> 296
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-021-Q1-E1-A2

<400> 17490

aggagtcgag agagaaatta gccatggcga ccagagcttt gctcgccgtt atatatgcgt 60

ctccgaatcg ctgctacatc tctccgagca ggatcaaaat ccaatcttta acttgttctt 120

cttcaagtca ttattaccaa agacagagta gaaaaaacca cagaatagct cgaagttact 180

cgtctgactc ggattcctcc gttcttcagc cgccggatgt ggcccgtctt gctcagacag 240

ctcgaatctc cctaacccgg cggagataga ngaatgtnaa actaaaattc tcgagt 296

<210> 17491
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-021-Q1-E1-A6

<400> 17491

ggggaaaaga tcaatttctc tctcttctct ctcttcaatt attcagagag aggaacacga 60

tctttgtttc tccatccggt ttgtttacta agttttgtct ctggtatggt tcagctttgt 120

ctccggcgag gtccggcttt gtttcggcta tctgttgccg ctttttgttt tttctgttga 180

ataaattatg cgatctatgt tagtgttgtg gttttaggtg attcgtcttt gcctaaacac 240

aattctctcc aacataagat tgatgaatat gatgcttgag ttcgtgaacc gttgacgttt 300

aattgggaag attttgaagt tgaaattcca tgaagttgaa aaattgtttt aaaagctttg 360

gaattgacaa ttgccaacaa ccggattcaa aatgcatgtc cccggcnttc tgggttcaat 420

ggaa 424

<210> 17492
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-021-Q1-E1-B10

<400> 17492

gcgtccggcg agaagacgac agaaggggac agaggaagag aaaacaaacc tttaactgaa 60

gaaagagttt gagtatggca gcgtcgacca taggtagagg ttcatcggag gataagccgg 120

ggaaaagaac atctccggtg actggcaagc ccacaagatt ccccaactga atcatcgata 180

ccgccggtat agcaacgtat gtaatcccgg cgatgtcatg gatctttata ctcccgttgc 240

aatttgcggt gttacatgaa ctccaagaat cggtaaataa aggagtcgat atcattaccg 300

aagcttgcaa ctcactcgtc tcgaatcgac aatcgtccat gattggatat cgagtagaga 360

gttgcagaac gatgatgttt atgaagttgt aaatatatta caagcnaaaa gaa 413

<210> 17493
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-021-Q1-E1-B11

<400> 17493

gcntccgtac ggctgcggaa gacgacagaa ggggtaccgg taactggttt atggatgagt 60

gctcttggag tagtcggttt agctttgaac ctacgtgcct atgattcttg gggacgcgat 120

gataccgtgt atcttactgg cactgggggg aaatctcatt aacggaccag gaagttcaaa 180

acttggtttc aagacaacag cagctattat aattggacgg ttggtgttag tgccaccagt 240

aggactagga atcgtgacag tagcagacaa acttgggttc cttcctgctg atgataagat 300

gttccgattt gtgttgctcc ttcagcacac aatgcctaca tcagtgctct caggagctgt 360

tgccagcctt agaagctgtg gaanggaatc agctgctgtg ctcntccggg tccacatttt 420

ccccancctc 430

<210> 17494
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-021-Q1-E1-B12

<400> 17494

gtggactgag gctattgcaa ctacattggc agttccgagc aatcggaggt ttatgtttga 60

tgtaacagga agagtaacac tagaaacgac gagatcaatc atcgcattta taatggtgaa 120

gacatttcaa gggttcagaa aaagtatcaa tgtggttcat gaagaggtta cagacagagg 180

acgccaagca gttgaatatg ttggagccaa atcttctgtt ataatcactg tatgccttgc 240

gttgtacttg cacatcataa gcggctgtgt tcggaattct cccataggcg taagccagca 300

tttttagttc ttcagatgaa gaagagatca tcgatttggt tggatatagg ataatatttg 360

ttaggtacac aagatttatc agctccnttg tttat 395

<210> 17495
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-021-Q1-E1-B7

<400> 17495

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gtctatggta gctttcaaga gcctgacatc atccatgtca tgcttaatcg tattcctgag 120

attgtctctg caacacttcc tggctttaag agatttaggc ttaaaggacg tttgtatcca 180

tgtattatcc cctctgagaa tggagaagtt catggaaagg tactaatggg attgactaat 240

gatgaacttg agaatgtaga ttgggttgaa ggaaacgaat atgaaagagt gtttgttgaa 300

gttgtaagaa aagacaattc tgagaagatg agagtggaaa catatccatg gatcaacaag 360

aatgatcctg atattggtgg agaatgggat ttcgaggaat ggaaacgatt acacatgaag 420

acn 423

<210> 17496
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-018-Q1-E1-F4

<400> 17496

actggttttc tggcccccgg tccggaaann cgggtcgncc cncgcntncg ccgaaaaaaa 60

cgacagaagg gagccggaga tggattcgcc aaactgggaa ctccgtggtn tgttgtnacc 120

ggaatcaaaa tactttcctc atcaccatcg gagtcttcac catagttatc cttctgctat 180

ggaggacatt tctattgact ccatttaaac tcattacggt gtttttgcac gaagctagtc 240

atgccgttgc ttgcaagctt acatgtggag atgtaaggag ctttctcact tcaactacta 300

gtcttcaaat gaacttaaaa gggtagaggg gatggaggtg aatgcaaatg aaggggttc 360

gaccacaaca cgtggtggca tttattggtt gatcttacct gctggctatc ttggctcatc 420

attttgggga atggcattga ttcttgcatc taccaatctg cttacagcaa gaatagctgc 480

tgctggtcct ggtcctgctt aatcanc 507

<210> 17497
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-018-Q1-E1-G10

<400> 17497

accgganatc tttggtcgac ccggncntcc gtacagctga aagaaacgac agaaggggt 60

ggagaaacac tttagcacgg tgcgacaaga tggcgagctc agtgacgctg cttctatgga 120

gtcttcttct tctcggtaca ctaagcgcta ttcaggccaa aaagtctaag gaaaacttaa 180

aggagatcac acacaaggtt tattttgatg ttgaaattga tgggaaagca gctggtcgta 240

ttgtcatggg tctatttggc aagacagtcc ccaaaactgt agagaatttc cgagctttat 300

gcactgggga gaaaggaata ngtaagaatg ggaangcgct ccattacaag gggagttcat 360

ttcataggat nataccaagc tttatgctcc aangaggcat tttacacatg gaaatggaat 420

gggaaggaga atctatctat ggggagaatt ttgctgatga naacttnaaa ctcaaagcat 480

actggtcaaa gg 492

<210> 17498
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-018-Q1-E1-G11

<400> 17498

agaagggaag agacatcgga aagtactcag agacaacatc caagggatta ccaaacctgc 60

gattcgtcgt ctcgcgagaa gaggaggcgt gaagcgtatc agtggtttga tctatgaaga 120

gactcgcggc gttctcaaga tctttctcga gaacgtgatt cgtgacgccg ttacttacac 180

ggagcacgct cgccggaaaa ctgttacggc gatggacgtc gtttacgctc tcaagagaca 240

aggacgaact ttgtatggat tcggcggcta aatcgttcgg attgcaattt cggattttgt 300

aaactcctca atttcaacat ctaaggattt caaatttgta atttcncaat taaacgatga 360

atgaattnaa aaaaaaaaga attgtcctca actttaaatt ttaancnnat acaagttatc 420

naaacgtggt ttacc 435

<210> 17499
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-018-Q1-E1-F12

<400> 17499

attgtcngcc agccgtccgg aatcanggtc gacccnnncg tccgtacggc tgaaagaaga 60

cgacagaagg gggaagaaca gagttagttt tcaaggttta tccacagatc cactgaaatc 120

aacaatggtg aataaagctc cgaagaggaa acatgtatca cctgaatctc tccttctctc 180

tattctcaat gatttgttgt ttctaaattc tcaaaagctt gactcttgtt tccgtagaaa 240

atcgaattca gatgcgtgta gctttatagt tagcttaaat tttgcaaaag ttggaaattt 300

tacttcaaga tccaatgaaa ttgctccact gatcaatgaa gctgttgcta aaggcaagaa 360

ctttgatact gggacaagag ttggattaaa tgttgggcat cctcctaaat ccgcattaac 420

tggaggaatc tcaagtgctt tcnccgcctt tttgangcat ccantggggt actgtcaana 480

cacaaagttn aagcatcaac taca 504

<210> 17500
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-018-Q1-E1-G12

<400> 17500

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gctgcgagga atacgacaga agggtacggc tgcgagaaca cgacagaagg gtacggctgc 120

gagaagacga cagaagggta cggctgcgag aagacgacag aagggtacgg ctgcgagaag 180

acgacagaag ggtacngctg cgagaagacg acagaagggt acggctgcga gaagacgaca 240

gaagggtacg gctgcgagaa gacgacagaa gggtacggct gcgagaagac gacagaaggg 300

tacggctgcg acaagacgac agaaagggaa ggttttgcaa aaccaacacc gaagattcaa 360

cacgatggga cgaagacctg cnagatttac cgtcagntta aaggaaancc atacccnaaa 420

tcacgatact gtcctggtgt nccaaattcc aaaatcaggt ctaccatttt gtatgaacag 480

gaaaagtgtt nataattt 498

<210> 17501
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-018-Q1-E1-G4

<400> 17501

gaaagacgac agaaggggga tgtgggcaaa ggctacactt tgtgtttgca cttgattatc 60

ttttcaagac aacanaaaag aagtcagcga cgatatccgt agacgatttt tacttgactg 120

cagaaggcca ggctgaattg agaaaaaaga atccaggaaa tgcacttcta gagtatcgtg 180

gaaatgcagg aagtcatgat ctgaaacttt ctgttgaaac actagaagcc ctgtcgaaac 240

tgaccaaaga aggcttaaag atgaaggtac ctaggtacaa taagtctgcc tatagtggga 300

gaggtgacag ggccgattca tcaacatggc ctgaagttga aggacctcta tcggttattc 360

tctttgaggg atggatgctt ggttttaagc ctcttccagc tgacgttgtt aaagcagttg 420

acccacaact gggaggtt 438

<210> 17502
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-018-Q1-E1-G7

<400> 17502

ttgctgccat tgttggtggg atacttgaaa aacggagagg cttcggctgc tgttttgtcc 60

gacatgcaac tgagtatatc gcgaggcttc agtattgtta tgttgatcag ctacattgca 120

tatcttgttt tccaactgtg gactcaccgc caattgttcg atgcacaaga acaggaagat 180

gagtatgatg acgatgtgga gcaagaaacc gcggtgatta gtttttggag cggttttgca 240

tggttggttg ggatgacact cgttatcgca ttgctatcgg agtatgttgt agccacgatt 300

gaggaagcat cggataaatg gaacttatca gtgaagtttc ataagcatca tattgcttcc 360

tattgttggg aaatgcagct gaacatgctg gagccgttat ttttgccttt aagaacaagc 420

tt 422

<210> 17503
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-018-Q1-E1-G9

<400> 17503

atggcgaaga agaaggaact gttatcaaaa gcaccgtgga gaggcgacga cgaagatgat 60

tccgataagt ttagcaacgc aaagcttaaa gtcacaaagg attctgatgg tatgtcgaag 120

atgcacgtcc ctagccgcgg aatcaaaaag gaagtctcgc tgatgatgat gatgattcac 180

ttgagattga tcctcagctt cgttacagct tcaatcgcaa ctatcagttc ctgcaaagtg 240

tattcactat agacactttg gtgaagcctc ttcctccttc aatggcattc aatgtctctc 300

gcaacttgag cttcttcaac cgcattttca ctcaattcct tgattctgaa agnattgcaa 360

atgcacaaaa atcnccaagg gtnggggaag gaaaaaaaac tccccccctgt ttccttgaaa 420

tatgaacc 428

<210> 17504
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-018-Q1-E1-H11

<400> 17504

ctgcgagaag acgacagaag ggtacggctg cgagaagacg acagaagggt acggctgcga 60

naagacgaca gaagggtacg gctgcgagaa gacgacagaa gggtacggct gcgagaagac 120

gacagaaggg tacggctgcn agaagacgac agaagggtac ggctgcgaga agacgacaga 180

agggtacggc tgcganaaga cgacagaang gtacggctgc gaaaagacga cagaangggg 240

tccttctttt gtctgaacca ccggaagaac tcnacccatt gattaaaaga ttacaactcc 300

acaagttaag accggttttg ttccttgggt ttaacaaagg acatttttta ncaaacntta 360

aattaactcc tcntcctcct ctcccaaang gaaaa 395

<210> 17505
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-018-Q1-E1-H8

<400> 17505

aagacgacag aaggggatca catcctcaca cacaaaaata aatcatcaca agaccagagt 60

taaaagagag acatgtcgac ttcattcaca atgatcggcg gtgaaggtcc caacagttac 120

cgggaacatt cgaaatacca gggagcactg gttatagctg caaaggaaaa gatnaatgaa 180

gccatctcca cgaaactcga tatcgacttt acttcaaatc ttgttaacat agctgatttt 240

ggttgttcct ctggaccgaa cactttcacc gcggtacaaa ccttaattga tgctgtggaa 300

aacangtata agaaagaaag taatattgag ggaatccaan ttcaagnttt cctcaatgat 360

tctcaaacaa cgaatttaac aatcccctca aganacttcc cccgggtaaa acggtattcc 420

caatggag 428

<210> 17506
<211> 527
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-018-Q1-E1-H9

<400> 17506

gaatggtttg cttggcctgc cgtccggnat caagggtcga cccacccgtc cgtacagctg 60

aaaagaagac gacagaaggg gggggtcgca gtgaccaggc ccgggcgact gtttaccaaa 120

aacacaggtc tccgcaaagt cgtaagacca tgtatggggg ctgacgcctg cccagtgccg 180

gaaggttaag gaagttggtg acctgatgac aggggagccg gcgaccgaat tgctgaagtt 240

gtaaaggaaa cactgaggaa aatggagata gtgggtgagg aaaagacgag gatgtacaag 300

aaagcgcgaa tggggcttga ggaatgcgag agagaagtan aagagaaagc aaaagcaagt 360

ggcgggaact gcaaatngnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnaaan atgtttcaan tttaaaagca 480

aacnaaggca aaaanttgga accacaagaa aatttggaaa nggattt 527

<210> 17507
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-019-Q1-E1-A2

<400> 17507

tctcactttg ttcatctaaa aactcctcct ttcagttcca aacaaaaact tctttttatt 60

ctcacatctt aaagatctct ctcatggcga cgtctttctc aggagctgtt ctcactggta 120

tggcttcttc tttccacagc ggagccaagc agagtagctt cggcgctgtc agagtcggcc 180

agaaaactca gttcgtcgtc gtttctcaac gcaagaagtc gttgatctac gccgctaaag 240

gtgacggcaa catcctcgat gacctcaacg aggccacaaa gaaagcttca gatttcgtga 300

cggataaaac aaaagaggca ttancagatg gtgagaaagc gaaaagacta cgttgttgaa 360

aaaacagtga aacgcantac attgggtaaa gaactgaaaa antgcgg 407

<210> 17508
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-019-Q1-E1-A3

<400> 17508

ccccangcgt caaataaagc tgcgannggt actgctgcga gaagacgaca gaaggggat 60

aacgaaaagc tcgccgagaa aagcacaaaa tgggcggggc gttaaatctc ctgcaaccct 120

angactcata tcttccnttt ctcggcaaca attctattag atnaacgcaa ccacttattc 180

atctctttcg cttcgattta ngaagaagac atgtttcgat gcaattatca agaacctttt 240

ctggattaac cgatctcctg tttaatagaa gaaatgaaga tgaagttatt gatggcaaga 300

gaaaacgtct gagaccggga aatgtatctc ctcgtcgtcc tgttccgggt catataacaa 360

aacctcctta tgttgattcc ccttcaaagc tccccgggaa tctcaaagtt ggacnttgaa 420

gttcatggat nagaaanggt nttanaatgc attganaacc ttctgggaat aactttc 477

<210> 17509
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-019-Q1-E1-A6

<400> 17509

ncggtattct gcattcccgg gcngccccac gcgtccanca aangcgtccg tacggctgcg 60

agaagacgac agaagggctt agtttttctt ccgccatccg gtgaatccgg caaagccatc 120

tggttgttaa accagcttca gtccaacagc ctccggctat tatanaggag gttggttggc 180

ttttcactgg cggtgttggc tccctcagca acgtcggcca gttttctctc cggcaacnat 240

ggctccgtan caccgtttgg ctggctcctc ttgtntgcgg catgttttcg gctttctatg 300

cgatggtgtc cgcttttgtc tctggtcatt ccaccgtcat ctttccggtg gttttggcca 360

gttatgtacc ggtgttagat ccggtttatt tgtttctgtt ttacttttaa taattctcat 420

tganatgtgt tggggataan aatgattnca ntctcgattt cattgcttct aaccaatcca 480

atcccntttt 490

<210> 17510
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-018-Q1-E1-B9

<400> 17510

cgacagaagg gacaggcgga gaaatcaaaa aaccaaaaat ccaatctttg gattcttact 60

tctacgattt gtgtgtttcc tcaaacccaa atgtctcgtc tcccgatttt aatcgcttcg 120

tgtctcttcc tctcttcact caccgccgcc gtcgtcaccg ccgccgaatc cgatactccg 180

acggcttatt cactcctcca aagctacaac ttccccgtcg gaatccttcc aaaaggagtc 240

gtagcttatg atttagacac aacaacaggn aaattccatg cgtatttcaa cgattcatgt 300

ancttcaatc ctgttggntc ctaacaattg aattncaaat caacaatcaa tgggtacatc 360

tcccgangaa acaaagctca anaaaattna ctggggttta aatccaaagt tttggtcctg 420

gggggttaaa a 431

<210> 17511
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-018-Q1-E1-C1

<400> 17511

gaaggggatt gaaactgtat ctagtttacc aatggtgcga tcggtttacg gcccaacctc 60

ggtgaacaag aggaagctga tgggattagg gaatcttcag gagacaaaag atactgtgga 120

gagcgtaaaa cggttaaaca gaacaactaa tggagttctt gatctgaacc ttccggctca 180

agagaccgaa atcgaggaaa aatatcattg tgaagagaac tcaaacgttt ggttaatgaa 240

cttgaagaat cataaacgtc tcattgaggt tcctttcaag ccttttgatt ttgaaggact 300

agctgaaaaa atcaaaaaga gcgttaaaga aaatttcgac aagtgcgtga gatcggattg 360

cttgctggag gttgacccta agatnataga acgattgcta ncggctgttt aattcncaaa 420

taat 424

<210> 17512
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-018-Q1-E1-B4

<400> 17512

tataagacct agagtctctc tgtttcgctt ttcataaatc ttgaagaata aatggaaaaa 60

gcttcaaaca gcaacaagtc cacgaaattc tcgaaaatgc ttcaaagagc gatgtcaatt 120

ggtcacagtg cggcgccgtt tagtccacgg agagattttc atcagcaccg tacgacttcg 180

acggcgaaca gaggaatctt cttctccagt ccgttggttc ctacggntgc tagagttagg 240

agaaatacaa aatacgaagc cgtttttgcc gaacccactt cgcctaaagt ctcctgcatc 300

ggtcaggtca aactcgctag acctaaatgt ccggagaaga agaacaaagc acctaagaat 360

ctcaaaacgg catcgtcctt atcgtcttgt gttattaaag aagaagacaa tggaagcttt 420

cgaaactnaa a 431

<210> 17513
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-018-Q1-E1-C2

<400> 17513

atggtntctg ggcccccggt ccggaanacc gggtcgaccc ncgcgtccgt agaaaaaaag 60

acgacagaag ggggctaact cccaaaaaaa aaaatggcgg cgtttttgca aacgaacatc 120

agtctgaatg cgatcaagat cgtcccgggg aaatacagtt ctctcaccga tcatcagttt 180

cgtgcgccgt atcgaattag gtgcgccgcc gcttcacctg ggaaaaaacg gtataacatc 240

gctctgcttc ccggagacgg tatcggtcca gaagttatct ctgttgctaa gaatgtgctt 300

cagaaagctg gatctctcga aggactggag tttgatttca aggagatgcc tgtcggagga 360

gcagccttgg atttggttgg agttccattg ccggaggaaa ctttcacggc tgcaaaacta 420

tctgatgcca ttcttcttgg agctattgga gggtacaaat gggacaagaa tgagaaacat 480

ctgagacctg anatggtcct gttta 505

<210> 17514
<211> 523
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-018-Q1-E1-C4

<400> 17514

gaactggttt tcctgggccc ccacggtccg gaaaancccg ggtcggaccc ncgcgtccga 60

angannaaag aaagacgaca agaaggggtt ttacggtcct ttccgtgaag ccctgggact 120

caaacccgcg tttcggagac aagaaaacgt atcagatgaa cccagcaaac tacagagagg 180

cattgattga ggcacgtgaa gacgaggctg aaggagcaga cattctcctg gtgaagccag 240

gtcttccata tttggacatc atacggcttt tgagggacaa gtctccatta ccgattgctg 300

cataccaagt ttctggagag tactcgatga tcaaagcagg gggagtcctg aaaatgatcg 360

atgaagagaa agtgatgatg gagtcactga tgtgtttacg cagagctgga gcggacatca 420

tcctcacgta cttcgctctt caaagctgct acttgtttgt gcggcgaaaa acggtagaat 480

agacaacaaa gactgtgntt taaactggtt tgagtaaacc ggt 523

<210> 17515
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-018-Q1-E1-C8

<400> 17515

gcgtccgtac agctgcgaga agacgacaaa aggggataag ccgcaagtct ctctctataa 60

acaccgccat tgattagctt cctctctatt tttactctcg tcacgtcctc cacttttggg 120

tcattattac ttctcgaagc tcaccaagat cttgaatttg ccgacctctc aagattcttg 180

atggtaaaag catacagaca agagcatgtt tacaagcatc cgtgggagcg ggtgagtgct 240

gcttcatgga ggaagtttgc agaccctgaa aacaaacgca tcctttctca catccttgaa 300

gtcgatccct tgaacaggaa actcgacact gagaccggga aactccacac cacgcgtgct 360

ctcaccatcc atgctcctgg gtccatggtt tctccatagg atcattgggt caggacatct 420

gtcactgtgt tgaatcaaca gttgtagatn 450

<210> 17516
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-018-Q1-E1-D9

<400> 17516

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gaaggggtc ggagattacc aacaagagct ctctccaatc gtcgtctctt tgatatatgg 120

cgtctcagcc tgcaggtggc agtcctccta aaccttggga aaaagaagga aatacatctg 180

gtcctaatcc tttcaggcct ccttctaata ctagcacggc tggttcagtt gaggcttctg 240

gcacagctaa tcctggtgaa gtagttcctc cgcccgtgaa caggcctaat acagctgcta 300

atatgaattc actcagtaga cctgtaccgg ctagaccttg ggaacagcag aattatggga 360

acactatggg gggaagttat ggttcaaatc taagtatgaa ctccgggtat gggtcaagtn 420

cataaggttc aacattaagt gggtatgggt caacaaatng tggtgggana ttttgaagtt 480

tttccttta naaggg 496

<210> 17517
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-018-Q1-E1-E10

<400> 17517

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aagacgacag aaggggaaat cacagaacac caatcggnat aatcacacga gaacaaaact 120

tgttaatcag gagaagacga cagagagaga gaaggagaga gatcttccat ggcggattcg 180

gaagcagata agccactgag aaaaatctca gccgctttca aaaaactagc aatcatcgtg 240

aattcaccga atccggaagt tcctgtaacg caattctctc acgcttgctc tctggcctcg 300

cctctctttg gttgccttgg aatggctttt aagtttgcgg aaatggacta tgttgccaag 360

gttgatgatc ttgtganggc gtcnagttcg atatccacat taatggtaat gatggncaaa 420

agatattgag gcaaattgtg ttaaggaanc tggtantcat acgagaaaac ctttnagggg 480

ttaac 485

<210> 17518
<211> 509
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-018-Q1-E1-E12

<400> 17518

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aagacgacag aagggtacng ctgcgagaag acgacagaag ggggcttctg tggctaacaa 120

agagcaaaca aacacttaga agaaactaag aatactctca tcaaggcgat atagaaaaaa 180

atggagagca aagggagctg gacagtggct gatgccgtag actacaaagg acggcctgcc 240

gacaaatcca aaaccggtgg ttggatcact gccgctctca ttcttgggat agaagttgtg 300

gagaggctat caacaatggg aatagcagtg aatttggtaa catatttgat ggagacaatg 360

catctcccaa gttcaacctc tgccaacatt gtcgctgatt tcatgggcac ttccttcctc 420

ctaagcttgc tcngtgggtt tctcgctgac tccctcctcc ggcgtttnaa aaacatcnga 480

atttctcaaa caatcaaact ctgggaatg 509

<210> 17519
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-018-Q1-E1-E2

<400> 17519

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cagaaggggg acgttcgaaa ttccgaggga gaggaatcat accatggaat cgcaccacgc 120

gtctctaggt cgccgtactt tggaagagat tcgtcaaaag agagcagctc aaaggctaag 180

caaagcttct tcaggtccag atcttagtga aattcccaat cctgccgatt tcccagtgat 240

cagaaaatct gagagcggaa atcgactttc tgagacagat gttggtgctt tatattccca 300

gcttaaagaa ctgcagaaga agaatgcaga aatggaggag cgcaacaaaa ttttgtcttc 360

aaagcttcaa acgaaggaag ttgagaatga atcacttgag actcggttga atgtgctgga 420

acaaaacaca gtgccatctt tgagaaaagc cctcaaggaa attgcaatgg agaaagatgc 480

tgctgttgtt tacganaagg 500

<210> 17520
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-018-Q1-E1-E5

<400> 17520

aagacgacag aagtagaaga aaccaaagcg anatcaanaa gctcancant tttccagatt 60

tctctaattg acgatggcgc tttgtgctac tactcaaagg actatccgta tagcggcgac 120

gctccggcgt gttgctcgac ctttcgctac cgacgcggtg gttgantcgg attacaagcg 180

tggtgagatc ggtaaggtct ccgnaatccc agangancat ctttctngca aggtgataat 240

atactcacct gctagaacag ctacccagtc angatctgga aaactcgnna natggaagat 300

taanttcgtc tctancttaa agtgggagaa tccgttgatg ggatggactt ctacgggtga 360

ctccnaagct aatgttgggt gactctgctc ntgcttttga ttctgaagaa ctgcaantct 420

tttgctgagc 430

<210> 17521
<211> 431

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-018-Q1-E1-E7

<400> 17521

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atgatggaaa cagctctgct ccggtactgc gtcaactttt ccggtcacaa gaaaatctct 120

gctcatcaaa gaagtaatag tgagattccg aaaacgagtc cgggaggatg cgaagacgag 180

tggtgtgcta gggttttgag tagaagatcg gtaatggcgt cagggttggt ctcctcgacg 240

acggctttag catttccaag ggaaggattg gctgtcgtta aacaaggtct tctcgctggg 300

agagttcctg gtctgtccga acctgatgaa gaaggttgga gaacataccg tagaccagac 360

gagaagtcan gaaggcatgg tgttggttgg agtcctaata acccttacgc cntttcggtt 420

cctcaagatt g 431

<210> 17522
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-018-Q1-E1-E9

<400> 17522

aagtggtttg tttngcctgc cgtccggaat cangggtcga ccgacccgtc cgcggangcg 60

anggcggacg cgtccgtacg gctgcgagaa gacgacagaa ggggacacac tcaaatatct 120

ctccaacact aaaataattg taccgactct ctctctctct ctctccgtaa caaaaaaatc 180

accaatggca aaacaatatc tctttgtact cctctcaatc tcctatctct tatcactgga 240

gctcacggcg gccaccgcag cctcacagac cggagcttcc aaaaaagcca taaacttcat 300

ccaatcttct tgcaaaacca ccacataccc tgccttatgt gtccantcac tctccgtcta 360

cgcaaacgac atccaaacaa gccctaaacg tttanctgag aacgctatag ccgtgacact 420

aagccgagcc aatccacgaa gctctttgtc tcgcgtntaa nacgtntgaa aggggtttaa 480

aaacgcgaag gttaaancat caaag 505

<210> 17523
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-018-Q1-E1-F10

<400> 17523

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agaaggggga aggtttcgtt tcgtggggaa gaagatgaag tcgcttgtgg ctcatttctc 120

aacgccttta atcaccgcta gattagttcc tagatgtatc atccatcgag cttcaatctc 180

cgccgtctct ttttccaccg tccgccgtcg attttctcct ctcaccatgg cctcagcagc 240

tcagtcttct tctcaggctg tgtcttacgg gagtggcaac agtgatacag atgtttttaa 300

attgattcaa gctcacgagg agaaggctgc tcgtctttcc ccaatcgaag aaatccgaac 360

tgtgcttaat ggtaacatat gcggtatgct ttccactttt tctcanaagt atgaagggtt 420

atccttcaag gtcaatgggt gaatttgcat gtgaagccga ngggtctccc aatctg 476

<210> 17524
<211> 516
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-017-Q1-E1-H12

<400> 17524

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agaaacgaca gaaggggga gagaaganta gtttgataat cttgngagaa acataatggc 120

tgcttcagtg atgctatctt cggtgacant gaaaccanct ggtttcacgg tgganaagac 180

ggcggctana ggattaccgt cgctcacaag agctcgtccc tccttcaaaa ttgtcnccag 240

tggcgtcaag aagatcncga ccgacnagcc cttcggaatt aacggcagca tggacttgac 300

ggacggcgtc aacacctccg gcagaaangg canaggatac ggtgtttaca agtacgtcna 360

caattatnga gctaacntcg atggatacag tcctanttac aacgagaacg aatggtcaac 420

caagtggtga cntgttcaan ggatgaatca ncggattggc aanttgggcg gtaactctcn 480

cccggaattc ctgccggaag tgctcctctg tgtaca 516

<210> 17525
<211> 532
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-017-Q1-E1-H4

<400> 17525

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caaaaaaaac gattttgaga aaaccatctc actgattagc aagatgtcgt cggctcgttc 120

tgcgatcaca aagctaaagc tggctcgatc ctttggggag aggcagattg gtgcatcgcg 180

ttcggtggta tcgactcgag gaccggcgat tcggtacttc agtgacgata aaggtcgtgt 240

gctcagcgaa gaggaacgcg cgaaagagag catgtatatc cagaaaatgg agagggagag 300

actggagaag aaggagaaac tcgagcaaga taagctagat ggtgagaaag gaagtgcaac 360

aagaaacctg agacaacaag ccatgagttt acaccacagt atacangaat ccggtcataa 420

nggaagccan tantgaaaac nataatgcct ttgaccaagg tccccccctgg natgagnaat 480

tcttgtccnt ggncaaagat ttttaancct ccggagtgtg gggttggggt gc 532

<210> 17526
<211> 524
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-017-Q1-E1-H11

<400> 17526

ntggtctgcc ttgccctggc cgtccggcaa atccaaggtc gacccacgcg tccgcccaca 60

cgtccgcgag aagacgacag aaggggggacc cggacagcct aaaatggaac gtacaagccg 120

agatagtcca ctgccgatgg gctatgctag gagccgccgg gatattcatc ccagagttcc 180

taacgaagat cggaatcctc aacactccgt catggtacac ggcgggagag caagagtatt 240

tcacggacaa aaccacactc tttgtcgttg agctcatttt gatcggatgg gcagaaggac 300

gtagatgggc cgatatcatc aagcccggta gcgtcaacac tgacccagtc ttcccaaaca 360

ataaactgac gggcacagac gttggttacc cangtgggtt atggttccga cccgttgggt 420

tggggattcc gggtaacccg gctaaactca aaggatttaa ggaccaaagg agattnaaga 480

acgggaaggt ttgnctaatg ttgggaatta tgggttcctt ggtc 524

<210> 17527
<211> 567
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-017-Q1-E1-H8

<400> 17527

ncggtttcct gggccctacc gaaccggaaa tcccgggtcg acccacgcgt cngtacgcat 60

gagaagacga cagaagggga cgaaaggaaa atatgagtga ggagaagagg aagcaacact 120

tcgtgctagt acatggtgcg tgccacggcg catggtgctg gtacaaggtt aagcctcttc 180

tcgaggcgtt gggccatcgt gtaaccgtct tagacctagc tgcttccggt atagacacaa 240

ccaggtcaat cactgacatt tctacatgtg aacaatattc tgagccattg atgcagctaa 300

tgacttcatt gccgaatgat gagaangttg tactcgttgg tcatagcttt ggaggtttga 360

gtttaacctt agccatggga taaattttcc ccgataaaat ctcngtcccc ggtccntcgt 420

gaactggnaa ttcaatggcc ccgacaacca naccacctcc aacnatccgt ttccgtccaa 480

nggaaaaaag ttttgccaaa ccnggggggnn gggcanccca gaaagggntn ggattggggg 540

ctccctgaac ccccccaana acaataa 567

<210> 17528
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-018-Q1-E1-A1

<400> 17528

ggctgcgaga agacgacaga agggggggggt cgcagtgacc aggcccgggc gactgtttac 60

caaaaacaca ggtctccgca aagtcgtaag accatgtatg ggggctgacg cctgcccagt 120

accggaaggt taaggaagtt ggtggcctga tgacagggga gccggcgacc gaagccccgg 180

tgaacggcgg ccgtaacgat aacggtccta aggtagcgaa attccttgtc gggtaagttc 240

cgacccgcac gaaaggcgta acgatctggg cactgtctcg gagagaggct cggtgaaata 300

gacatgtctg tgaagatgcg gactacctgc acctggacag aaaganccta tgaagcttca 360

ctgttccctg ggattggctt tgggcntttc ctgcgcaact taagtggaan gcgaaaaaag 420

gccccctcc 429

<210> 17529
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-018-Q1-E1-A12

<400> 17529

ctgcgagaag acgacagaag ggtataccaa gatgatacaa aggttttgaa agtctcacca 60

actgacacag tgttgactgt agcaaagaag atggttgaat tccaatcaag ctgtgcagtc 120

gtgataatcg aggacaagct tcgagggata tttacttcca aggatatact gatgcgggtt 180

gtggctgaaa atcttcctcc atctgagact ctagtggaaa cggttatgac tcagaatcca 240

naatctacga tagttgacac accaattgtt gaagctctac acatcatgca cgaagggaaa 300

atttttacaa ctttcccgtt actgacaaaa gaaagggatt nattgctgtt tgtccaatgt 360

tatccatgtt actcaagctg ctgtttccac aaacttggac tanatg 406

<210> 17530
<211> 310
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-018-Q1-E1-A3

<400> 17530

aggatggtgg ngttaacgaa tcaaagangg tcggataaac caaagtacca tgaccgaatc 60

agaaatgtcc gacggaggga gaacatgcgt tgactcttat tattctcaga ctttacgcta 120

gggcaatcat ttcgatttga tctccgatgc ttttttttgt tggtttgttc ttttaatttg 180

ctagactctt aatgaataat gtatatgatg gtgttttggt gatatcgaat gtatcaattg 240

tttctgcnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnngcggcc 310

<210> 17531
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-018-Q1-E1-A4

<400> 17531

gcncccggtc cggaaaaacg ggtcgacncc cgcgtccgta cagcagcgag aagacgacag 60

aatggtacgg ctgcgagaag acgacagaan gggnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnttctcc gataattctt tggactgatg 180

aattaaaggg aaacgctgag tgtaaatcat acaacagttc taagtcgtga aaacaaaaaa 240

aagatggctt gtanaggttg tttggagtgt ttgttgaagt tactcaactt tctcctggct 300

gttgctggac ttggcatgat tggttatggt atcttgctcc aaggcaacaa atcaggcagc 360

cattcatcaa ccgccaagcc gcccctgtca ctggtgtccc agttgctcct aactttggac 420

caacgcccaa gccgcagtga cccntggatt gcacgtatga gggaaaant 469

<210> 17532
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-018-Q1-E1-A6

<400> 17532

gcgtccgccc acgcgtccgt acggctgcga gaagacgaca gaaggggggg aagttgaaaa 60

tatgaaaatt gtaaatgaca ctgtaatgtt gtgtgggaat ctgaatgcag atgaagctac 120

gcaggcgaca cctgagccta ataatgcaga accgtatcca gactataacc tggtggtcac 180

agagagggaa acaatcatgg aggttgatga gccggatcca gatgatcaag aaatccagag 240

gatccaagac tctgttacca tcatctctaa ccgtctcaag aaagccataa aggccttgag 300

aaatgaagtc agccccggtc aagcaaccac tgtgttacaa atgcttctca aaatantcag 360

gaacatcatt gaacaaccaa atgaaatgaa attcaaaagg tgcgtaagga aatcctgcaa 420

ttaacgcaac attctcaact ttccagct 448

<210> 17533
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-018-Q1-E1-A9

<400> 17533

gcgtccgtac anntgcgagg aagacgacag aaggggggtct tacgagagac caaaacgatg 60

gagagcacga agattgctcc ttcattcgat cgtgccagtg agcttaaagc tttcgatgag 120

acgaagactg gtgtgaaagg actcgttgac tctggaatct caaagattcc acgcattttc 180

catcactcat ctgtcgaact agcaaaccct aaaccacttc cctcggacct gctacatctc 240

aagacgatcc caacgatcga tctcggagga cgggacttcc aggacgcgat taagcacaag 300

aacgcgattg aagggattaa agaagcagct gccaagtggg gtttcttcca agtgatnaac 360

catgggagtt tccctcgaac ctccttgaga aanatgaaag atggagttcg tgactttcaa 420

gagcnaactn cctgaaatga gggaaaattt ttcaaaccnc aattttggaa aaa 473

<210> 17534
<211> 582
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-018-Q1-E1-B11

<400> 17534

ctgcncgggt ctaccggata gnatatntcg gccgncccgt ccgcccaaac gnaacgtacg 60

gctgggataa gacgacagaa ggggggagac ggaanaaaat tcgaatcatc agtgtttgtt 120

tcctcctctc ttaaagctta gcccttctca ggtcattgtt cttcaatggc ttcgagcaac 180

acgactactg gggttgataa tacgtttaga aagaagtttg atgtggaaga gtttaaggag 240

cgtgctcgtg aacgcgaaaa gaaggaatcg gatcggtcta aatctcggtc caaaggtcct 300

cctgtgcaaa gagccccttt tgaagcatag agattatcat gtnnacctaa gaatccccgt 360

ctgggcaaaa cacaagtcct ttacaccggg ttaaccgccc tcctaaaatt caagcaaagg 420

cttgggttaa atttccggtt cccnnttttg gtgaaattgg ggtttggttt aaaagaantt 480

ccnggnaaaa cctaaacttt tggggtttaa caattaaaaa attnggggaa aaaaaanccc 540

ncccaaaaag gggggcaant tttgggggaa atnttttta at 582

<210> 17535
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-018-Q1-E1-B12

<400> 17535

ttngccgccg tccggaatca nnggtcgacc cggccgtccg tacnanctga aagaagacga 60

cagaagggta cggctccgag aagacgacag aagggtacgg ctgcgagaga cgacagaagg 120

gtacctttga cggcgaggtt gataaagtgt acttgaacac gccgacaaag attgccatca 180

tagatcatga gaggaaaaga actatcgagt tgcaaaagga aggcatgcca aatgcagctg 240

tgtggaaccc ttgggacaag aaggccagga gtattgcaga tatgggagat gaggattaca 300

caacaatgct gtgtgtagat tctggtgcta tagaaagccc aattgtgttg aagccacatg 360

aagagtggaa aggaagacaa gaactctcta tcgtctcctc aagctactgc aacggtcaac 420

tcnattcacg taaaggtcnt taaggggaat accgngtaat atatatgaaa tccaacttgg 480

aacatcatca atcttat 497

<210> 17536
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-018-Q1-E1-B2

<400> 17536

cggcccccgg tccggaaaan cgggtcgacc cncgcgtccg cccaanngtc cgcccacgcg 60

tccgcccacg cgtccgtacg gctgcgagaa gacgacagaa ggggctttta gacaaaacta 120

gtggcagact gaaaaatgaa cgcagcgctt gcaacaacca ccgccacaac tcccgtactc 180

cgccgtgaga cgcctcttct tcattattgt tctctcacaa caaaatcgcc ggtttaccaa 240

attaacagag ttagattcgg atcttgcgtg caaacagtca gcaagaaatt cttgaaaatc 300

tcggcgagct ctcagagcgc ttcagcggcg gtcaatgtca cggcggatgc ttcgattccg 360

aaagagatga aggcgtgggt gtataatgac taagggcggg attnatgttc tgaaggctgg 420

agaataacat tgttgtgccg gagattaaag aagattaagg ttttgattaa agttgttgcc 480

gcggntctaa 490

<210> 17537
<211> 512
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-018-Q1-E1-B3

<400> 17537

actctcttaa gcccccggtc cggnannnac gggtcgnccc ccnccttcgn ccaaaaattc 60

cntacggctg ctanaagacg acagaagggt acggctgcca naagacgaca gaagggtacg 120

gctgcgagaa gacgacagaa gggtacggct gcgagaagac gacagaangg tacggctgcg 180

agaagacgac agaatggtac ggctgcggga agacgacaga agggtacggc tgcgagaaga 240

cgacagaagg gtacggctgc tagaanacga cagaagggta cggctgcgag aagacgacag 300

aaggatacgg ctgcgagaag acgacagaag gatacggctg cgagaagacn acagaaggat 360

acggctgcga gaagacgaca gaangatacg gctgcgagaa gacgacagaa gggggatttc 420

agaattttgg gactaaagga ggacaacnac aaagcncccg gaaaaaatcc gagaacgaca 480

acaattggcn ccttcttcgt caaccgtctc ac 512

<210> 17538
<211> 519
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-H6

<400> 17538

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gctggagaag acgacagaag ggggnnnnnn nnnnnnnnnn nnnnnnnnnn nnncttctcc 120

tcaaaaatgg cgtttacact aggtggaaga gctcgtcgtc tagtctctgc aacatcagtt 180

catcaaaatg gttgcttaca caaactgcaa caaattggat cggatcggtt tcagcttggt 240

gaagcaaaag caataagatt actacccagg agaacaaaca tggttcaaga attaggaatc 300

agggaagaat ttatggatct aaacagagaa gcagagacaa gttatgattt tctgggatga 360

aatgagacac aagatttctg aaattcaaga gacaaaagtt tctaccggag atagaaaagt 420

ttaaaagctt tggccatagc tcaatcacca aaggtaatgg tgataggatg tgcaagattc 480

aagggtatgt ccatcttatg ttctaggatt caacctggt 519

<210> 17539
<211> 390
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-H9

<400> 17539

gaaggggttg tccaatttgc tcgaggtcag tgattgatat gtctaaaaca tggcagagac 60

tcgatgaaga gatcgaagcc actgctatgc cttcagatta ccgtgacaag aaggtttgga 120

tactttgcaa cgattgtaac gacacaacag aagtgcactt ccacataatc ggacagaaat 180

gtggacattg cagatcatac aacacacgag cgattgcgcc tcctgttctt cctcaatgac 240

aaaaccaaga tnttcccatg tattgcctcc agaaagcaag caagaacttt ttgttgctaa 300

aaaaactgan gcatagatta atgatnatna canagaaaga aaaagaaaaa ngantgatga 360

ttaatttggt ttattggncc caaaagccaa 390

<210> 17540
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-016-Q1-E1-A10

<400> 17540

cccaaaaaaa aacagaagaa taagaagaca caactcttgt tttaaatttg agtcccattt 60

acttttgatg ctaaatagga gagaaaacgt ttttgactca cacataacgt agagagacag 120

agagagacaa aaaaaaagag acgggaatat tccggcgaag attgagactc tcaatatcca 180

atggagaagt attcccggcg gtctattctc ctttccacgg tggtcgccgc cgtgttattc 240

tctttaattc cggtttcaat ctctattccc ttcatactct ttcacgttaa tattaattat 300

ccaaaaaaaa aagaaaacag gaattggaga taaatgttcc tggtggagtt agtaacttca 360

cgcaactccc taancaaacc tctctggctc ctcctggcta ttgcntaaaa aataagaa 418

<210> 17541
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-H5

<400> 17541

aaacgacaga aggggggggc ttttgtggct cctaacgctt ctctctctgg tgatgtccat 60

gtgggaagag gttcttccat ttggtatgga tgtgtcttga gaggagatgc taacagcatt 120

agtgttggag ctgggaccaa tattcaggac aacgctcttg tccacgttgc taagaccaac 180

ttaagtggga aggtcttacc tactgtcatt ggagacaatg tcaccattgg tcatagtgct 240

gttttacatg gctgcactgt cnaggatgag gcctatattg gtacaagtgc aactgtcttg 300

gatggagctc atgttgaaaa acatgccatg gttgcttcag gagctcttgt taagcagaac 360

actagaattc cctctggtga ngtttgggga agcaacccaa ctaaatttct gaggaangtg 420

acagaaga 428

<210> 17542
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-016-Q1-E1-A2

<400> 17542

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aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg acagaagggt 120

acggctgcga gaagacgaca gaagggtacg gctgcgagaa gacgacagaa gggtacggct 180

gcgagaagac gacagaaggg tacggctgcn agaagacgac agaagggtac ggctgcgaga 240

agacgacaga agggtacggc tgcggaagac gacagaaggg gaagacaaaa aagcaaatat 300

ttattcgtaa atataacttc agaacccttt caacaaaact ctctctgttc tttctccgtg 360

gagaagttaa agatgacgat gtcggagaac tcaagaaact tggaaactgg tttgctactg 420

angaagaacc aaaacgacat caacgaatgt cctatcactg ctgttgtacc tttcaata 478

<210> 17543
<211> 397
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-016-Q1-E1-A6

<400> 17543

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cttccgacca gatagagtca aagctctggt caacctcagt gttccgttct ctttccggcc 120

aaccgatcca tcggcgaagc ccgttgatcg catgcgtgct ttctacggcg atgattacta 180

tatctgcagg tttcaggaat ttggagatgt agaagctgag attgcagagg ttggaacaga 240

gagagtcatg aagagactac tcacttatag aactcctgga ccggtaatta tcncgaangg 300

acaaaaattt ttggggatcc aaagggcnaa actataccac tccccgtctt gggctnaacg 360

gangaagatg ttgcttactt ccgtcagcaa gtttgaa 397

<210> 17544
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-016-Q1-E1-A8

<400> 17544

aacgcgtccg cccacgcgtc cgcccacgcg tccgcccacg cgtccgtacg actgcgagaa 60

gacgacagaa ggggagaaag aagaggaagc acaaaagctt ctggcgtttg gattaggtag 120

aagagcgtgt cctggatcgg gtctggccca acgaatcgtg ggactagctc tcgggtcatt 180

gatacaatgc tttgaatggg agagagttgg gaatgtggaa gtggatatga aggaangagt 240

tgggaatact gtacccaaag cgattccttt gnaagctatt tgcaaagctc gtccatttct 300

acataanatt atttcctaaa attgttgaaa ctacgaataa aagatgtgtg acatgttnat 360

gcantcaatg attccccctcg aaaaan 386

<210> 17545
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-016-Q1-E1-B1

<400> 17545

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gctgcgagaa gacgacagaa ggggaaagcc ttaaaggaga ctcagcattc caatctcgtt 120

cgaaaattca attccgagta acccatttag gagttcactt acttgaaaaa gtgaagcaaa 180

atgcagagga gaaaactgtc gtgtcttatt ctccgatcct ggtggcgaga cttgagaatg 240

ttggtcttca ttccatgttc actgaccagc aaaaatttaa ccaattatgt atagaggctc 300

taaatgtgga tcacaaatgg gcaggggcac cctttgcagc catgcttcgt cagcatcaat 360

caagttcaag tgacgcaaat ggttgtctat tcaaatgtgt attcattcta gtatcaagtg 420

gttccagcgt cacacaagtc aagcactcct cgatagtttt gcagccagtc aatttgaacc 480

tanacgaaga ga 492

<210> 17546
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-016-Q1-E1-B10

<400> 17546

gccgtccgac catccanggt ggncccacgc gtccgtaaag agaagacgac agaaggggat 60

tctcggagag aagagagacg ataactccag ttttacacga tgctgctgca gtggctggtt 120

ctggtattgg tggcttgctt agtgccgtcc atgctttcaa tacagggatc ccctatcttc 180

aaaatcggtt ttccgggtca aagcggcttt cctttcttgt gggggttcca ttgcttctag 240

tatattcagg tgtaggggct gcttttggag gttatgcact tccaaagttt gctcagctga 300

cagttacctc gtattatgca tcttcaagtg cttcacatta tggaatttct atgctagccc 360

ggcgtatcga acaagctcgt ctctctcgaa ctcggaaaag aatangtaaa atgaagtcat 420

gc 422

<210> 17547
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-016-Q1-E1-C1

<400> 17547

aataagaaga ttaattgagg agaaatcgaa gatgtctata gcgttagcgg agaagattca 60

agccaaattt tgaagaagtc tagtagattc tgtattgtaa gctactaaaa tctgcgatgg 120

tgaggcattt caatcgtcgc cggaaaattc atcggagata ttaaaattga atcaagcttc 180

gaattggtca accgatctat attgagtgat ccagaggacg aaaccgagat gtatgtggtt 240

tacgcaaaca gaaccgagga tgacattctt gtgagggaag agctagaagg atgggctagt 300

aagcataagg agaggctaaa gatttggtac gtcgttgaaa tcgcaaagga agttggagtt 360

acagtaccgg gtttataact gaagctgtgc ttaag 395

<210> 17548
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-016-Q1-E1-C11

<400> 17548

atggagaact ttgcctcctg acaacatttc agaaaataat cgaatccaaa aaagcactca 60

acatggagtc ttctatatca caaacactaa gcaaactatc agatcccacg acgtctcttg 120

tcatcgttgt ctctcttttc atcttcatca gcttcatcac acggcggcga aggcctccat 180

atcctcccgg tccacgaggt tggcccatca taggcaacat gttaatgatg gaccaactca 240

cccaccgtgg tttagccaat ttagctaaaa agtatggcgg attgtgccat ctccgcatgg 300

gattcctcca tatgtacgct gtctcatcac ccgangtggc tcgacaagtc cttcaaagtt 360

caagacagcg tctctcnaac cggctgcaac tatagctata agctatcctg a 411

<210> 17549
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-016-Q1-E1-C3

<400> 17549

tagntctccg atattccaag gtngccccac gcgtccgtan agctgcgaga agacgacaaa 60

agggcaagtg gctgtgatgg cgatggagag cctcgtcgga gctccggtgc ggtggagaag 120

gaggaagaaa tagtgaaaga tgaggagagg agatccaatg cgtcggtgtg ttcggtggaa 180

atagatctgg agcttggatt gcctgagaaa gttgtacatt tgtcgcaatc tgagagagat 240

tgcaggattt gtcacatgag cttagatgca gcgaatcttg aatctggtgt tcccattgag 300

cttggctgtt cttgtaaagc tgatctcgct gctgctcata aacactgtgc tgagacttgg 360

ttcaagatca aaggaaacaa aatctgtgaa gtttgtgggt cgattgcggg taatgttgtt 420

ggaagtgttg angtggagtc tgaggaaagc cggaatgaan caaatggtg 469

<210> 17550
<211> 183
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-016-Q1-E1-D1

<400> 17550

aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg acagaagggt 60

acggctgcga gaagacgaca gaagggtacg gctgcgagaa gacgacagaa gggtacggct 120

gcgagaagac gacagaaggg cggnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnngc 180

ggc 183

<210> 17551
<211> 512
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-016-Q1-E1-D10

<400> 17551

gtnggagaat ttcttctgct ntagccctcn tgcatcaagg tggccccagg cntccgtaaa 60

gctgcaagaa gacgacagaa gggtacggtg cgagaagacg acagaagggg agaacaaaat 120

actcatacac acacacactt ggatttaaag aaaaaaagga gttttccttc ttcttttggg 180

tgtgtcaagt ttctgttctt ctttttctcg tgcttccatc acgagatatc tcacaaggct 240

ctcgcgactc aagaaaggtn aagataaaga aagaagaagc aaagattcca taaatggact 300

tgaaangcaa caaccaccag caacagcaac aagtacttga tggctcggac atagttgagc 360

tggtgganan cgagaaagtg tccgacaagt ttgtggaaca taagtttcaa cagtttagac 420

naangatgaa gaatggtaag ctcncccgtt gactgaattt ncaancctc cgtttctgat 480

ntcnggctct gctccttggt tttccntgct ca 512

<210> 17552
<211> 356
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-016-Q1-E1-D11

<400> 17552

atgtcttcct gcantagccc ccgatatcnc aatngnccca cgcntccgcc cacgcgtccg 60

tacggctgcg agaagacgac agaagggnnn nnnnnnnnnn nnnnnnnnnn nnnnnngcg 120

gccgctctat aggatccaag cttacgtacg cgtgcatgcg acgtcanagc tcttctatag 180

tgtcncctaa nttcnattca ctggccgtcg ttttanaacg tcgtgactgg gaaanccctg 240

gcgttaccca ncttaatcgc cttgnagcac atcncccttt cgccagctgg cgtaatagcg 300

aagaggcccg caccgatcgc ccttcccaac anttncgcaa cctgaatggc naatgg 356

<210> 17553
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-016-Q1-E1-D12

<400> 17553

tngtctagcc tccgacatcn aaggtngncc cacgcgtccg ccnacgcgtc cgcccacgcg 60

tccgcccacg cgtccgtacg gctgcgagaa gacgacagaa gggggaagaa aaacagatca 120

aaatagagaa atattgaaat tcgtgcgttg agagaaaaac gttgaacgat gggagccggt 180

aatggagaaa cgccaaaacc tacacagatt tcaatttcta aagatcaatt cctcgcttgg 240

aaacgccaaa aggatgctga gttattagcc aaacaagctg aagcagcaag gaaacgacaa 300

gaggacatag cttcaggtcg tgttccaatg aatggtcgtg agcttttcct tgcatgaacc 360

cttgggtttt cgacgaatac catcattgaa tccgggtcta ttcactactt cttcataggg 420

naacaagaga tnattccgac cctcaattag ttactgccna cttgcatctg agttaatgaa 480

ttgggaca 488

<210> 17554
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-F2

<400> 17554

cggggcnccc ggtccggata taccggggtn gacccccgcg tccgcccang cntccgtacg 60

gctgcgagaa gacgacagaa gggcataacg aaacagagtt tccctgagct acatttaacg 120

aaagaagatt gtatggtcaa gaaatggatc gaatctagtg ttttctgggc gaattatcca 180

gaaaaagcac cgatagagtt acttcttaaa agagtatcaa ccaacgaata ctactggaaa 240

cgtacttcag attttgttca agcaccaatc tcaaaacagg gtcttgcaaa gatttttcaa 300

acaatgattg atcgttcgcc acttccacga cgagtttgga tgcaatggaa tccatgggga 360

gggaaaatgg ctgagatagc gtctgatgcg acggcgtttg tgcatagagg tggtaatgtt 420

ttcntgattg agcatttcat gaattggtat agacctggag atgagcttga nganaagttc 480

ttggcgattg ccagaagttt tta 503

<210> 17555

<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-F3

<400> 17555

cggntccccg gtccggataa ncgggtnggn ccacgccttc nntaaancng cgagaagacg 60

acagaagggg actctcagac attttgtcaa acagatggtg ctcgtttctg aatcagctta 120

agaactaaca aggagacaga cactaagctt ggtttttctc tccgattaga cggaggaaaa 180

agtgaaaacg aggggcttag acgagtnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnttc agatatgcct ttgcctcaac 360

agaacagagc ctttagtttg tcgcgtgaga ttttgaatgc tactccaagg aangctgata 420

acaaaagact cgctcatgcc ctaaaaaagg acttcgattc aacctacggn ccggcatggc 480

actgcattgt tggnacaaac c 501

<210> 17556
<211> 387
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-F12

<400> 17556

ctgcgagaag acgacagaag ggtacggctg cgagaagacg acagaagggt acggctgcga 60

gaagacgaca gaagggtgac atcgnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nngcggccgc tctagaggat ccaagcttac gtacncgtgc atgcgacgtc 180

atagctcttc tatagtgtca cctaaattca attcactggc cgtcgtttta caacgtcgtg 240

actgggaaaa ccctggcgtt acccaactta atcgccttgc agcacatccc cctttcgcca 300

gctggcgtaa tancgaanag gcccgcaccg atngcccttc ccaacagttg cncancctga 360

atggcaatgg gancccccct tgtaccg 387

<210> 17557

<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-F5

<400> 17557

gcgtccgtac agctgcgaga agacgacaga aggggaatga cagtagacaa gacaaggcaa 60

agaagcaaag atcagataat ccattttcat ttcctcgcca gaagcgttct gtaagacctc 120

ggatgtacct ctccattgac tcggattctg agtaatattc ttcctgattt gtctgttctg 180

ttgtgtctct cttgggatga ttcggtgttc cttttaattc ttaacgctat gcacagaaca 240

atgaacagga tcatcagaca agacaccgga gtttaaacaa ggatttgcat aattctctgt 300

gcaggcaaga attgaaccgg tattgatatt ttcacttgta tgatgttgtt gactctctct 360

tcaatatcgg ttcanaatct tggccttgtc tgctacactg caggatgtaa tttgcaaagc 420

gaagcactgg gctgatttag tttctctgat agaaaagaaa agt 463

<210> 17558
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-G1

<400> 17558

anggttttct ggcccccggg tccggaatnn cgggtcgacn cacgcgtccg tacngctgcg 60

agaagacgac agaaggggac cagagactta aactggtttc tgtatctttt actgggttct 120

ttcagatata taaatggatc aaatcgttaa cgtggatgag tttcaagagc tggccaaaca 180

ggccctccct aagatgtact atgatttcta caatggaggg gcagaggatc aatacgctct 240

caatgaaaat gtccaagctt tccgtagaat catgtttagg cctanggttc ttgttgatgt 300

gagcaacata gatatgtcta caagtatgtt gggttaccca atctcagctc ccatcatgat 360

tgctccaaca gcaatgcata agttggctca tcctaaagga gaaatcgcca cancgaaagc 420

tgcanctgcg tgtaacacta tcatgatagt atcattcatg tctacttcac tantgangaa 480

gttgctccan ttgtaacgct gtt 503

<210> 17559
<211> 477
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-G10

<400> 17559

cccggtccgg acancccggg tngcccacgc gtccgtacag aagaagacga cagaagggga 60

acccaaacaa aaaaacattt tttctctata aatcctttat tattgttata aaaactccga 120

tggatcggca aaattccgat gacatcatga gatttctcga tggaatggct agctccgacg 180

acgttctttt cggttttctt gacgaaggaa accagtcacc ggaagatttc tccgtaaacc 240

tcaacgccgg cgaagatgac ggtgacgaag acgacaataa taacaattct gaagataaca 300

aagctttttg gcaggaacac gaacaacttc ttcaggggac actgtatagg acaagttcca 360

ttgagacaaa gattagacaa gctacaaaag aagcgttgaa acaagttaaa tctaanggtc 420

ttattgtgtt tgccggcgac cantggacgg cgttgccgga tttcctacct tgccaaa 477

<210> 17560
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-G11

<400> 17560

atgtcttctg gntccacggt ccgganaacc gggtngaccc acgcgtccgc ccangcgtcc 60

gtacggctgc gagaagacga cagaagggcg agagaagctc tatcttcttg ctgttgggta 120

ttacagaagt gggaattact caaggagcan gcagctcgtg gaccgctgta tcgagatgca 180

agctgattgg agacaagctt tggtcctaaa gaagaccatc gaagacaaaa tcacaaagga 240

tggtgttata gggataggga tcacggctac agcctttgga gctgtgggtc ccatagccgg 300

tggtatcgca gcagcgatgt ctcgcaagaa atgaaaacca caaccatgac ttcttctctg 360

tgtatacaat ggcagtttac ttttttttcac attttttttcc tcntccttga gtgtgttctc 420

cactgcctac ttcacaatct atgatatnna aaantcnaag cctatttgcn tcgaattaac 480

aaaaaaaa 488

<210> 17561
<211> 512
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-G3

<400> 17561

ctggtntttc tggccccccg gtccgganaa ncggggnnga ccccgcgtcc gtacagcngc 60

gagaagacga cagaaggggg accttgggcc ggtgatatta gcacccgcga tctaggttcg 120

ctggttgcct ttgaagatgg aacatcaaca tcatatgccc tggcgagtgc gcaggagaga 180

gggcaaatgt ttgtaggttc tggagtggat gtatacaaag gtcagatagt tgggatccac 240

cagagacccg gcgacttggg tcttaatatc tgcaagaaga aggcagcgac aaacataaga 300

tccaacaaag atgtaacagt gattcttgac actcccttaa catatagtcc ggacgactgc 360

atcnaataca ttgaagagga tgagttggtg gangttacac cttcnantat taagatgtgc 420

aaagaatcag aaaatggcaa agaaaggcaa gcantnaaaa cccatttttg caanctgggg 480

tttggaggaa attgaagaaa agcttctact aa 512

<210> 17562
<211> 509
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-G6

<400> 17562

caatttntgc gcgccctacc ggtcnagata tccgggtcga cccacgcgtc cgtacagctg 60

cgagaagacg acagaagggg agaagaagaa aaatcgatgg cggggatact agtgaacaat 120

atcctccctc aacctccgat tctccgatcg ctttcttctt cttcgcgaag aagttcaatt 180

cgaaccctag ttatggtcaa agcttcttcc tctgaacctt ccgagtctgt ttcagtctcc 240

acgaagacca gtgacgacac tggagctgtt gttgtgttca ctgctcctcc tggtttcaag 300

ccaccggagc caaaacggtt cgccgtcaaa tccggaaaac tcttcgatgt cttgggtgca 360

gcaattggat tgtttttccg attcggcact ggtgttttcg tttctgggta ctctgcatcc 420

ttttgtgtct aaggaagaag attccanctg atcagtatgc gttgcgttta ngcgggatna 480

cggtaaagga aactgctaag tccggcctc 509

<210> 17563
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-G7

<400> 17563

aagacgacag aaggggtcgc tccgatcgtt aggcttgagg aggttgccgt cactaccggc 60

ggggaagacg aagatgccgt ccttgatctg aaatcgaagc tttatcgatt cgataaggat 120

gcgaatcagt ggaaggagag aggagctggt actgtgaagt tcttaaagca taagaacact 180

gggaagattc gtctcgttat gaggcaatct aaaactttga agatctgtgc taatcacttc 240

gttaaatcgg gcatgagtgt tcaggaacac gttgggaatg aaaagtcatg tgtgtggcac 300

gctcgtgact ttgctgatgg tgaactcaag gatgagcttt tctgtatccg atttgcttct 360

attgagaatt gcaaaacatt tatgcaaaag ttcaaggaag ttgcctgant ctgaagaaga 420

gaaagaagag a 431

<210> 17564
<211> 268
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-G8

<400> 17564

aanggttttt ttggccgccc taccggtcaa ttatcccggg tcgacccacg cgtccgtaca 60

gctgcgagaa gacgacagaa gggtacggct gcgagaagac gacagaaggg tacggctgcg 120

agaagacgac agaagggtac ggctgcgaga agacgacaga agggtacggc tgcgagaaga 180

cgacagaagg gtttgnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnng 268

<210> 17565
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-G9

<400> 17565

gcgtccgtac agctgcgaga agacgacaga agggggagag aatctttccg gtgaatggga 60

aatggcaaga agaaggatac gagtacgatg aagttgagtt agagcgggag agagagacat 120

accgttgacc actaaagacg agagctttag agagagacgc aacaatggag ctgagtattt 180

ccgagagtcg aagcagatca attcgttgca ttgtgaaact tggaggtgcg gcaattactt 240

gcaaaaacga gctggagaag attcacgatg aaaatctgga ggtcgtggcg tgtcagttac 300

gtcaagctat gttgganggt tcagctccaa gcaaggttat tggcatggat tggagcaaga 360

ganctggaag ctctgagatt tcctgtgatg tggatgacat aggggatnaa aaatctccga 420

atttaataaa ttgttgtggg tcaa 444

<210> 17566
<211> 519
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-H1

<400> 17566

actggttttt ctgggccccc cggtccggga nananccggg tcgacccacg cgtccgccca 60

agcatccgta cggctgcgag aagacgacag aaggggatcg tgcgtctgta cggaccacaa 120

aaggctctct ctttatttct ctgtgagatt tttttaggat ctgagagagc caaagatcat 180

ggaggaaagc caagaacttg ccttgaccca gttgagaaaa tcggtcgaga aactctcttc 240

ttctactgag ggatatgaca aaccaacatt gatgaggttc ctggtggcaa gatnaatgga 300

cccagtcaag gnancaaaga tgtttgtaga ttggcaaaaa tggagaacct ccatggttcc 360

tccaactggg attcatccct gagtcagaag tgcaaggatg aattgggatt cagaaaggtc 420

tgtcttcaag gtccgaccaa atcccggaca accattgggt gcctgtcaaa acctccaanc 480

attttgcctc caaaggattc aactaacttc aagaaattt 519

<210> 17567
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-H10

<400> 17567

ccgggtccgg anaaacccgg ggtcgaccca cgcgtccgta caagctgcna gaagacgaca 60

gaanggcaat atgggatctt tcgtgaaaga agaaacgtcg ncgttgatga cagatttttt 120

ggagaagtgc ggtggttatg cggtggtgga tggagggttt gcgacggagc tacagcgcca 180

cggagctgat atcaatgatc cactttggag tgctaantgc cttattactt ctcctcacct 240

tgttacaaag gtgcacttgg attaccttga atctggagca antatcatca tnacagcatc 300

ttaccangcg acnatacaag gttttgtggc aaaaggtcta tcggtgggan gaaacacaaa 360

atttacttac aaggagcgtt gaaatcacgt acgaagcacg tnacattttc tacaacagat 420

gcaccaaggg ttcatgggat ttcgcctacg cnggaaancn ttcccggaga ccaantcttg 480

tccc 484

<210> 17568
<211> 521
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-C3

<400> 17568

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caagctgcga gaagagacag aaggggaaga ttggagcaga tgcaaatcaa gaactgatgt 120

ctgggattaa acatttcttc attggcgttt tccagtttgc tgctgggaaa cttggttggg 180

atcctaagca aggcgagagc catctagatg ctatgctgag aggggaagtc ttaactgcac 240

ttgctgtgtt tgggcatgat gagacactaa aggaagcagt tcgaagattt gatgcatttt 300

tggctgatag gaacactccg cttctgcctc ctgacattag aanggctgct tatgttgctg 360

taatgcagag agctaacaaa tcagacaaat ctggttatga gtctcttctg agagtttata 420

gggaaaccga cctgagccaa gagaaaacac gaatcttaag ttccttanca tcttgcccan 480

accccactat agttcaagat gttccttaac ttcctantgt c 521

<210> 17569
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-C4

<400> 17569

actggtcttt ctggnccccc ggtccggata accgggttng gnccccgct tcngccnaan 60

ngtccgtacg gctgcgagaa gacgacagaa gggggtcaag gaggaagaag tttcgttgcc 120

ggagaagatt acagaggcac cgtcgtctcc tccacagttt cttgaacatt ctgatggtct 180

taattaccgg agtttcacag atctacgtga tcttcttcca ttaaaggcgg cggcttcttc 240

attcgccgcc gcagctggat cttcagacag tagcgattca agcgctctgc tgaatgaaga 300

aagcagctct aatgtcactg tggcggctcc ggtgacggtt ccaggaggta atttcttcca 360

atttgtgaaa atggaacaga cggaggatna tgaagacttt ctgaatggan aanaagcctg 420

tgaattcctt tccgatgaac aaccgccgtc tctacactgg tactccaccg ttgatnattg 480

gaattgaaac tgaaaacacc accggaagaa a 511

<210> 17570
<211> 486
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-B9

<400> 17570

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acgcgtccgt acggctgcga gaagacgaca gaagggtacg gctgcgagag acgacagaag 120

ggtacggctg cgaagaagac gacagaaggg ggagcattag aaatggaaca gttttttgct 180

ctgtttacca tttttctatc ttttgctttc cccgggagat gcagcgacgt tttcagcaga 240

tctgatttcc ccgagggatt cctcttcgga gctggcactt ctgcttatca ntgggaanga 300

gctgctgcgg aagatggaan gaaacctagc gtgtgggaca ctctttgtta ctctcgtaac 360

attggtaacg gagatgtaac atgtgatggg tatcacaagt ataaggaaga tgtgaagctg 420

atggtagaca ctaacttaga tgccttcaaa ttctcatatc ntggtccaag ctaataccta 480

attgga 486

<210> 17571
<211> 536
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-D11

<400> 17571

aatggttttc ggcccccggt ccggaaaaac cgggtcgacc cacgcgtccg tacggctgcg 60

agaagacgac agaaggggga agcaaaacga cagtgttatc tatcgccgcc ttgttgttct 120

gtttaacaag tgtagaggaa ccaaagttga aaactttgaa cttcccattg attttaatgt 180

taattactga tcattcnaat ctgaaattga agcatatgaa tgcctaatcn gtgaatgtta 240

gaagaaatnn aagaagatgc agagggtaag ggttcacctc aaagacattt gtgcataanc 300

ttggngaatc ccaaatgaca taacccccaa atttaaaagt aacctgcatc catacaatcc 360

gacaattgtt cnaataaatt natccgggaa ttaaaaaant ggtcccccta aaaaaggana 420

aacccccntg aaattccccg ggtttaacca nnaccnaaag ntttcncccc tnaacnggtc 480

cctttaaccg gggttccaan tttcaaaaan cccntgtttt cccaagttta aatccc 536

<210> 17572
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-D2

<400> 17572

actggttttt ctggccnccc gggtccggan aannccgggt cgacccacgc gtccgcccan 60

gcatccgtac ggctgcgaga agacgacaga agggtacggc tgcgagaaga cgacagaagg 120

gtacggctgc ganaagacga cagaagggta cggctgcgag aagacgacag aaggggggcag 180

cctttggata ttcggcggaa tcgaaaatgg tcaagggacg ccaaggagaa cgagtcagac 240

tctacgtgag gggaaccatc ctcggataca aaaggtcnaa gtccaaccag tatccaaaca 300

cgtccctcgt ccaaatcgaa ggagttaaca ctcangagga ngtaaactgg tacaagggaa 360

agaagatggc tttacatcta caaggctaag acaaagaaga acggtngcca ctaccgctgt 420

atctggggaa aagtttncaa ggcctcacgg taacaacngt ttttccgtnc caaattcnca 480

tcaaacttcc tcccaattca tgggaaaccn 510

<210> 17573
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-D3

<400> 17573

gaactgtctt tctgggcccc cggttcggan annccgggt cgacccncgc gtccgcccaa 60

gcatccgccc angcgtccgc ccacgcgtcc gtacggctgc ggaagacgac agaaggggaa 120

gcggatatct gaaaagtccc atctttggat gctcattcac aacgggcact gcacagatct 180

ccaacaagca gcagctgaga cattacatct cagactttga tcccgagaca ttgcanagat 240

gcgcaaaacc aaggacagag gangcaagga atctgataga gaagcaaagt ttggctcttt 300

ttggcacgga agagagtgat gagaccatag tgacatcgtt ttcgagtctg aagcggttgg 360

ttctcgaggc tgtggcgttt gggacattcc tgtgggacac ggaattgtat gtagatggtg 420

catataaact gaaangagaa tgggaatgcn gaagaacana angatagaaa agcatatgat 480

gaacaantct ggtt 494

<210> 17574
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-D4

<400> 17574

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gcgagaagac gacagaaggg ggtggtggtg gtgatttttg ggaattttga agagccgtta 120

aaccctagaa cggacggaga agaaaaccct agaccggcga agaagataaa tcagattcga 180

tgtcggataa taaagaccgt gattccgatt ccgatgctcc ggaggaatta acccaggagc 240

aggcgaagct ggaagaggaa gcactgtgga aaatacagag agagaataag aatagggttt 300

cccgtgagaa gaaagagagg cgcaagctta tggcaganca agtaactctc cgaaaatctc 360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420

nnctcttgca aacaagggat tcctttccaa agacatcata gactttcttg cggagcgaga 480

aaaacaaaaa gctgagtcag attttgaa 508

<210> 17575
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-D6

<400> 17575

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gtccgcccac gcgtccgtac ggctgcgaga agacgacaga aggtacggct gcgagaagaa 120

aacgagaggc aagggtcagg cataatatgc tctctcacta gcctaagaat ttgtagaagc 180

gaaaaccatg gattagggtt tttcagtttc ctctttcaat cgattaaccc acagaacaaa 240

gtatctctta ccttcgggtt tagatattct cttcgtctcc gtctatatat catttctcaa 300

agtcgactta cgaatttgac tcaggagata tttcgtttgt gattttgtta aggctagctt 360

caattctatt cagattaatc aatgggattc tcagatgctc gtgggcgctt ggactatccc 420

ttgttggggg attaagtacc tctttaggtg cgctttttgt anttcttagc gagactccca 480

atatgaagat gcntggactt ctacaagg 508

<210> 17576
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-015-Q1-E1-D9

<400> 17576

ttctggntcc cacggtccgg ataaccgggt gacccacgcg tccgagaana cgacagaagg 60

gtacggctgc gagaagacga cagaaggggg ctgaagtcag atttctgcga cggagataca 120

gacatttgag acaagaccag ccacaagaga ttaaaaaggt cagaagatca aatggtggga 180

agaagatccg agtggaggtg tctcctagta acaaaagtga ggcggaaact aagcatgttt 240

cgcttcctga cttaaaccac tcggaaaagg ctcacgatga aaccaaaacc agtcctaaga 300

gaagagttcc tttgtttgat ctaaatcaga tatctggaga agaagagcan gaaacagagg 360

cagtggacaa taatcaagag aacacgagag ttgaagaaag taattcatgt aagagattaa 420

tgatcagtaa cattgagatg cagcagaaaa gatttgaaac catcnt 466

<210> 17577
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-E10

<400> 17577

gagaagacga cagaagggta cggctgcgag aagacgacag aagggtacgg ctgcgagaag 60

acgacagaag ggtacggctg cgagaagacg acagaagggt acggctgcga gaagacgaca 120

gaagggtacg gctgcgagaa gacgacagaa ggggacttaa ccaaacatgt ctgaaaaggg 180

gttgataaaa aaagaagacc acatgtttca agaggagaag agaaagacaa actatggagc 240

aattggcttg gcttgcttca tttcttgttt ctttgcattc caattcatga aaatcgtaac 300

aacacaacct tcaacaacaa caacatcatc cattgccgtt atcgatagcc aatgtcctcc 360

cataagctat ctgatnggaa agaaattttg a 391

<210> 17578
<211> 518
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-E2

<400> 17578

aactgttttt ctggcccccc gggtccggan aaanccgggt cgacccacgc gtccgcccaa 60

gcntccgacg gctgcgagaa gacgacagaa gggggcattg aatgagtctc ttcaagattt 120

acttgatggt attcaagagg atttctatgc tgttgttgac tgggcatata aaatagaccc 180

cctacggtgt atttcaatgc atggtataac tgaacgttat ctatctggtc aaaaagctgg 240

tgctgcanga tttgttcgcc ttttgcttgg agatntggag tcnagagttt ctatgcaatt 300

caaccgtttt gtggatnaaa cttgtcaccn aattnaaaag aaatggactn atgttagaaa 360

aattggggtc nttgccataa aatccaaana ttncancacn tggcaactcc tatgggacaa 420

tncattccaa gggnaaacta aaaaatttgg gtgatcagac ntacacaana atttntgaag 480

caaangtttg tgaaccncca naaaaattgc ccacaaaa 518

<210> 17579
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-E3

<400> 17579

atggtctttc ggccncccgg tccgganaan cggggtngnc cacgcgtccg tacagctgcg 60

agagacgaca gaaggggget gaaacaagtt gtaattgtgg tgcatttgtt cttcagcgca 120

gccgagaaga ttcgaaaccg gagctaagct atgacgacga ttgttcccac ctccgaagaa 180

aatccctttc tcgctgttgt ccgattcact tcccagctcg cctgggccga tgctggtccc 240

gaggcagcag agccagaaat taccaggctc tgtagggagg ctgaggagtc aatggtagca 300

gagaagtggc ttgaattgtc ttcgttaatg gtcacttcag ctgaattggt accttctaag 360

atatctgaga aagatcttga gtgtacctac accatcattt gcagcattgt cgagaatgcg 420

aaaagccctg agcaagtcct gaaatggtga aagctataac ntccaaagtt gctcaacaan 480

ccaattgaca a 491

<210> 17580
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-015-Q1-E1-E7

<400> 17580

ctgcgagaag acgacagaag ggtacggctg cgagaagacg acagaagggt acggctgcga 60

gaagacgaca gaagggtacg gctgcgagaa gacgacagaa gggtacggct gcgagaagac 120

gacagaaggg tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga 180

aggggaaaga gacgcattta aaagcaaatg accaacaagc gacttcacca tccatctctt 240

acaaccctcc aagaacactg gctgttttcc ttcactttct agacaaaaca aaaaccatct 300

tctagagaaa ataaaccaac atgggagaga cagaaaccat ggcaacaaac taactaaacc 360

atagtatata ttatctatac taatattatc ggcccatggg ta 402

<210> 17581
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-F1

<400> 17581

gcgtccgtac agctgcgaga agacgacaga agggggactg tggagaaaca ctttagcacg 60

gtgcgacaag atggcgagct cagtgacgct gcttctatgg agtcttcttc ttctcggtac 120

actaagcgct attcaggcca aaaagtctaa ggaaaactta aaggagatca cacacaaggt 180

ttattttgat gttgaaattg atgggaaagc agctggtcgt attgtcatgg gtctatttgg 240

caagacagtc cccaaaactg tagagaattt ccgagcttta tgcactgggg agaaaggaat 300

angtaagaat gggaangcgc tccattacaa ggggagttca tttcatagga tcataccaag 360

ctttatgctc caaagaggcg attttacaca tggaaatggg atgggaagag aatctatcct 420

atggtgaaaa atttgcctga tganaacttc aaactcaagc atactgg 467

<210> 17582
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-012-Q1-E1-H2

<400> 17582

caacaactaa aaccacattt atcattacag tctgatttga gctaagttct ctcatcataa 60

actctccttg gagaatcatg gctatttcaa aagctcttat cgcttctctt ctcatatctc 120

ttcttgttct ccaactcgtc caggctgatg tcgaaaactc acagaagaaa aatggttacg 180

caaagaagat cgattgtggg agcgcgtgtg tagcacggtg caggctttcg aggaggccga 240

agctgtgtca catagcgtgc gggacttgct gctacaggtg caactgtgtg cctccgggta 300

cgtacgggna actacgacaa gtgccacttg ctangctagc ctcacnacnc acgggtggac 360

gccgcaaggt gcccataaan aagaaacana gctcttaaat ggctggccgg gtaatnggga 420

acc 423

<210> 17583
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-012-Q1-E1-H4

<400> 17583

ctggtttctt tgcccagccc tccgganatc aaaggtcgac ccaggcntcc gcccaaacgt 60

nagtacggct gcgagaagac aacagaaggg gatgacgtat ctaatgaagt acccacaagt 120

gttgaagaaa gctcaagcag aagtgagaga gtatatgaaa gagaaaggtt caacgttcgt 180

tactgaagac gatgtcaaga accttcctta cttcagagcc ttagttaaag aaaccctaag 240

gatcgaacca gtgattcctc tccttatccc tcgtgcttgc attcaagata ccaagatcgc 300

cggttacgac atccccgcag gaacaacggt caacgtcaac gcgtgggccc gtgtcacgtg 360

acgagaaaga atggggaccg aaccctgatg agtttaggcc ccanaagttt cntgaagaaa 420

ggga 424

<210> 17584
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-012-Q1-E1-H10

<400> 17584

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cngtacngcg agaagacgac agaagggggt ttcaggtcac cacttctgtc tgcgacgtct 120

cttctcgtga ccaacgagtg aaactcatgg aaactgtttc ctctctctac caaggaaaac 180

tcaacatcct cgtcaacaat gtgggaacgt caatattcaa gccgaccaca gagtatacag 240

cagaagattt ctcttttgta atggctacaa atctcgagtc agctttccat ctctcacagc 300

ttgcccaccc attgttaaaa gcctctggct cagggagcat cgtgctcata tcctctgctg 360

ctggagtcgt gcatgtcaat gttggatcca tctatggagc aaccaaagga gccatgaatc 420

agctggctag aaacttagct tgcgaatggg cgaacgacaa cataaggacg aactctgttt 480

gtccttggta tatcacaact cctttaaagt nacg 514

<210> 17585
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-012-Q1-E1-H6

<400> 17585

aagacgacag aaggggggcca aaactgaata aagaaaaggt ttacacaaat cttanaatat 60

ctgacgcata tataggcgag attgctgacg ataagctttt tcgttttgtt tccatggttt 120

tgtgacgaag aagagaaaaa aaataagaag tcagtttttt ctcaatggct tctcatagct 180

attcaacact taggtttagt ctccttcaag agctaagaag caacgagatc atcaagacaa 240

gccgggctta tctggtgaat cctggaggaa gaaaatatga gatattaccg gagagctcct 300

ttaacctgaa atcacaactc ttggagccat tgaaaccttt ttcttctttt agtaagtcta 360

accacttttt ggagtttgat tcaaccatga tgaagcatag actcatggat gttcaagaaa 420

ctggaccan 429

<210> 17586
<211> 319
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-013-Q1-E1-A1

<400> 17586

cgtacggctg cgagaagacg acagaagggt acggctgcga gaagacgaca gaagggtacg 60

gctgcgagaa gacgacagaa gggtacggct gcgagaagac gacagaagga tacggctgcg 120

agaagacgac agaaggatac ggctgcgaga agacgacaga agggtacggc tgcgagaaga 180

cgacagaagg gtacggctgc gagaagacga cagaanggta cggctgcgag aagacgacag 240

aangatacgg ctgccagaag acgacagaag ggaccttnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnncggcc 319

<210> 17587
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-013-Q1-E1-A6

<400> 17587

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aaggggatct cactttgttc atctaaaaac tcctcctttc atttccaaac aaaaacttct 120

ttttattctc acatcttaaa gatctctctc atggcgatgt ctttctcagg agctgttctc 180

actggtatgg cttcttcttt ccacagcgga gccaagcaga gcagcttcgg cgctgtcaga 240

gtcggccaga aaactcagtt cgtcgtcgtt tctcaacgca agaagtcgtt gatctacgcc 300

gctaaaggtg acggcaacat cctcgatgac ctcaacgagg ccacaaagaa agcttcagat 360

ttcgtgacgg ataaaacaaa agaggcatta gcagatggtg aagaaagcga aagactacgt 420

tgttgaaaaa aacagtgaaa ccgcagatac attgggtaaa gaagctgaga aagctgcggc 480

gtatgtg 487

<210> 17588
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-013-Q1-E1-B6

<400> 17588

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gaagacgaca gaagggtacg gctgcgagaa gacgacagaa gggtacggct gcgagaagac 120

gacagaaggg tacggctgcg agaagacgac agaagggana atcagagaag ggtgggaaga 180

aggaaaattt catcagaacc agattacatg cctttgtgga gtatgaaacg gtggaggcag 240

ctgaaaaagc ggcagctaca ttgaataatg agcaagactg gganaaatgg gtttccgaag 300

tttaagcttc ttgaaacaaa gcanccaang aaagttttgc acanaagaan gaccagctcn 360

gganggaagt caattaaaga nnaggacact acaggcanaa ttcatgat 408

<210> 17589
<211> 517
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-013-Q1-E1-C1

<400> 17589

aactggtttc gcctctccta cggccccgga aaatcccana gtcgacccac gcctccgtac 60

ngctgcgaag aagacgacag aagggtacgg ctgcgagaag acgacagaag gggacaccga 120

gaaaggcaat ggagtcggct aaatcaatca tcggtggcca ccaaaatgtc atcctgatgc 180

gtcatggtga tcgactcgac aatttcgagc cactctggac ttcaacagct gcgagaccgt 240

gggatccacc gcttgctcaa gacggtaagg atcgggcctt tagaactggt cagagaatcc 300

ggtctcaact tggggttccg attcaccgtg tcttcgtctc ccctttcctc cgctgcatcc 360

aaaccgcttc cgaagtcntt gccgccctct cagccgtcga tttcgattcc attgctatgt 420

catctaaaag acgtgctttc catcggcaat actaagatna aagtggctaa ttgaattttg 480

gattgtccca agataccgca cccaatcctt tattaag 517

<210> 17590
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-013-Q1-E1-C2

<400> 17590

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acagaaanaa gacacttagc aggtgaaaca atgtcgttta gaaaagtaga gaagaaacca 120

actgaaatgg gccgaaacat gacccacgag aagtcggact ctgattcgga caacgaagga 180

gccccccatga ctgttggagg ttacactgaa ttcgttgccc gcagcgactc tgactgggac 240

gaaccggttt attctggcaa agcccgttct aattataacc tcaccggcac cgcaaaanga 300

actgggtccc atcaatanct tcagccgcaa acacttccct aattactaat catatgggca 360

atgctacgtt aaagtngaga aacgaanaca ttcaggctca ctaanctagt tnaataatgc 420

ccatatnaat ttatgttcta agttctgaat gttatnaatt aagaatcc 468

<210> 17591
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-013-Q1-E1-C5

<400> 17591

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cgtccggctg cgagaagacg acagaagggg aaggaaaaat agaaacaaaa aatggggaat 120

tgtttaaggc atgaatcaga aatgcattgg gctggtgaag actgggatga attcatcaca 180

gaagatgaag aagatcatca ttatagctct aaaaccacaa gagatggcaa accagtaatt 240

gtaacacgtg acagtaaatc ctctgttcca tctcatgaga tcaagatcag gctcacgaag 300

aagcaactcc atgatttact gagtaaagtc aacgtccatg acttgacctt ccagcaacaa 360

accttctcat gtccaatcct gaacaatcgc gggtacgaag aagtcaatca acaacggtta 420

tggagaccgg ttctacagag cataccagaa gttaactgag ttttgttttc agagatggcc 480

atgtttgtat atgcctaagg cttc 504

<210> 17592
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-013-Q1-E1-C7

<400> 17592

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cgagaagacg acagaagggt acggctgcga gaagacgaca gaagggtacg gctgcgagaa 120

gacgacagaa gggtacggct gcgagaagac gacagaaggg tacggctgcg agaagacgac 180

agaagggagg tgaaagaacg aatctgtgga agaagggttt gtgaaatgga gtccagtgag 240

gatgtggaga atctgagtag agctattgag aagcttcttc atgagaagag gaagagagaa 300

gcttctggtg acgccttcat tgaagacgct gatgatcagc ttttcctctc tagccttatc 360

tctcagttgn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420

nnnnnnnnnn nnnnnnnnnn nnnttcttca ccatccaaag gaaaaagcga nggccanaga 480

caattggaag aaagtataga aga 503

<210> 17593
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-013-Q1-E1-D6

<400> 17593

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gaagacgaca gaagggtacg gctgcgagaa gacgacagaa gggcaggcgt gttgaaaatg 120

atgtatctga tgtgaatata agacaaatag aagcagatga gatactggcc cgtgaattac 180

aagaacagct gtaccgagaa gagtcgttga tcagacacga gcagatcgat gaaatcatag 240

ccaggtcgat ggaacaagaa gagaattctc tccgggcttc ttctagtcgt gcttctactc 300

gtattacccg aagctctaat accatcgcag caaatccacg tgggagaagt cgcctggaag 360

cacgactgca acaacattct tcaagggagg cgattcaatc ctccacaggc ccgtgctccc 420

tgttaagagc accagcacgg ggtcnaggtt atcgtttang cggtgcatct gcttcactac 480

gtncaactct gaanttcaat tttcc 505

<210> 17594

<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-013-Q1-E1-E2

<400> 17594

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gtgaaagcaa agccggagga agaaataaga atcacagagg taaaattgtg atggagctcg 120

aagatccaac aatggcagat tccacgatta agctaacagt caaattcgga ggcaaatcaa 180

taccactttc ggtatcacca gattgtacag tcaaagatct taagtctcag ttacaaccaa 240

tcaccaacgt tcttcctcgt ggccagaagc tcatcttcaa aggttttggt tgaaacgtcg 300

actttgaaac aatctgatgt gggaagtgga gctaaactca tgttaatggc ttctcaaggt 360

ctgcatcaan gggaangtcc aatacttaan gaagctagta taanggcaat ctctaaaact 420

gttgtatctg ataaagtaga tnagagaaag cctaatgtac tt 462

<210> 17595
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-013-Q1-E1-E8

<400> 17595

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gacggaaggg tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga 120

agggtacggc tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggta 180

cggctgcgag aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg 240

cgagaagacg acagaagggt acggctgcga aagacgacag aagggtacgg ctgcgagaag 300

acgacagaag ggtacggctg cgagaagacg acagaagggt acggctgcga gaagacgaca 360

gaanggtacg gctgcgacaa gacgacagaa gggccctccg taaaaaaaaa aaannnnnnn 420

aaaaaaaaaa aatcgg 436

<210> 17596

<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-013-Q1-E1-F5

<400> 17596

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cttggttgtg aagattctat cgatcccggg cagatttaca tgattcaagg cgtattagct 120

atgctgccgt caacgactcc tgatggagaa ttaatgagaa atgggggaga aaagaaaacc 180

atttggattg tagaagaaga aggaaagctc tccaataaag cctcgacttc aagaaatttt 240

tgtctcagcc cggttgatcc ggttgagtat cagtcggatt agtatgtccg ttttaggctt 300

aggaccgaaa tagtgaaagc agaggagtca aaacccttct gaagttgcgc ttttggcgta 360

gatgctatta ggacatgttc tacactcgga tcatgaggga ctaatagctt ggaattggat 420

tggatctcan gatangattt gattttcttt gtg 453

<210> 17597
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-012-Q1-E1-D4

<400> 17597

tttggncagc ctccggatat ccaaggtcgn cccangcntc cgtacgnctc nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnntc aatttcccaa aattggagaa accaacaggc 180

aagaaacaga cagcgacggt tgttgtggga gtgttggcgg tgggatggct ggcgatagag 240

ctcgtgttta agccattgtt caagaagctg agctcctcca aggacaaatc cgattccgac 300

gatgccaccg tccctccccc gtcgggcgcc tgaatatggt gagtgaggat ttaacaaagc 360

ctctgcgggg aagacacgtg tgttgaagct cattttatta gcanatcctt gtggttcntt 420

ttgtaataac cgttccggac ntttac 446

<210> 17598

<211> 388
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-012-Q1-E1-D5

<400> 17598

tgcgagaaga cacagaaggg tacctgggtt gatcctgcca gtagtcatat gcttgtctca 60

anagattaaa gccatgcatg ttgtaaagta tgaacgaatt cagactgtgg aactgcgaat 120

ggctcattaa atcagttata gtttgtttga tggtaactac tactcggata accgtagtaa 180

ttctagagct aatacgtgca acaaaccccg acttatggaa gggacgcatt tattagataa 240

aangtcgacg cgggctctgc ccgttgctct gatgattcat gataactcga cggatngcaa 300

ggcctctgtc cggcgaagca tcnttcanat ttctgccaat gcntttggat ggggcatnca 360

tgttcanctc ccaaaancac atgggaac 388

<210> 17599
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-012-Q1-E1-D6

<400> 17599

ccggggacna ccggaacgga tnatcccggc tcgacccacg cgtccantac ggctgcgaga 60

agacgacaga agggggaatc tcacacaccg aaagttattt tcgaatccac taacgaatct 120

tccacagcaa acacttttgt gttcctctgt aatttctcag tatatataga taccaaaaca 180

agcagtgaaa aatggctatg gcgagtttat atcggcgatc tcttccttct cctccggcca 240

ttgacttttc ttccgccgaa ggcaagctaa tcttcaatga agcgcttcag aaaggaacta 300

tggaaggatt tttcaggttg atttcgtatt ttcagacaca atccgaacct gcgtattgtg 360

gtttggctag tctctcantg gtgttgaatg ctctttctnt cgattcctgg aagttacatg 420

gaaaggggcc ttgggacgtg ggtttgatnc aatcc 455

<210> 17600
<211> 496
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-012-Q1-E1-C5

<400> 17600

tggtttgccc ggncctaccg ganagganat cccgggccga cccacgcgtc cncccaancg 60

tccgtacggc tgcgagaaga cgacagaagg gggcagccat tcaaaatatt ggtggcttca 120

aattcacctc ttacacttgt agcttgtgct tcatccaatt ctttgcagcg attaaaacac 180

acaaaaagtt tgcatatgaa ttgctgactc tgaatttctc aaaaagataa gggcattgct 240

tcattgatat ggttaagaaa tgttagttgc gtatcctgcg ggaactatca acanattcca 300

aatccctatt agctgctatg ccgctttgcg cagattcaag acctcgcctt ttggtcctct 360

gattaagttg ttctgtctcc caagatcaat agttccttgt ngcaaatgta gaantgtnan 420

cattcanctt tttccacaaa atnnccaaat ttcaaacccc cgaaaggaaa atgggacgtt 480

tgggtaactc anggcc 496

<210> 17601
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-012-Q1-E1-D8

<400> 17601

tggtcngccc ggggaccacc ggnnacggat atcccggctc gacccacgcg tcngtacanc 60

tgcgagaaga cgacagaagg gggaagcttt gaggaggcaa tcggagttat ctgagttaga 120

aaaacagtct ttaaggaaac aagccataaa agagagtaaa cggatacagg aactgtctaa 180

ggaagttagt tgtctcaagg gtgaacgtga tggagctatg gaagagtgtg agaagctcag 240

gttgcagaat agtagagatg aggctgatgc tgaaagcaga ttgagatgca tcagcgaaga 300

ttcgagtaat atgattgagg agattanaga tgaactgagt tgtgagaagg atttgacgag 360

taaccttaan ttgcagttgc agaggacaca agagtcaaac tctaatttga ttcttgctgt 420

gagggatctc aatgagatgt tggggcacaa gaacaatgag atatccttcn cnggantagc 480

cttattagca ggaggctaag aaaccttgaa n 511

<210> 17602
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-012-Q1-E1-E10

<400> 17602

gaaggggat acagagagag cgatgatgat tcgaacggcg ttagtgttcg ttgtcttctt 60

cgtcggaaca gtcgtacaag cgcagctgat acctccggcg aggcgtgatg gatttttgta 120

tccaccgggt cggaaaatcg accgggatat gatacttatc gaggcgtata ttgacccggt 180

ttgtccggat tgtagagacg cttgggagcc gctaaagcta gcgattgatc actatggatc 240

tcgcgttgct cttgttcttc acctcattcc tttacccttc catgacaatg catttgtagc 300

atctcgggct ttacacatcg ttgatacctt aaacgccaat gccacgttca atttgctgga 360

anggatctca agcatcagac aattgttcac aactcgcaaa cacaactcat gtnaaaaact 420

gc 422

<210> 17603
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-012-Q1-E1-E11

<400> 17603

tcnggccggc tctaccggta aggacatccc gggncgaccc acgcgtccnt acnagctgcn 60

agaagacgac agaangggat ttgcgctgta cgtgcanatg cctcngatgg tatcctctgc 120

ancgttcttg gacaaaacgc tgttcatggt gcgtttgctg gatacagtgg aatcacggta 180

ggcataatca ncactcacta tgcatatttg ccaatcactg aggtaattgc atatccaaaa 240

tcagtggatc ctaatagtcg aatgtggcat cgttgcttga catcaacggg ccaacccgat 300

ttcatctaaa aagatattat tattcaatca cgaancaanc tgatgataaa aataagcctt 360

gaaatgtata gacagtagca ttcttggntc cttgttatga tgtatcaant catattattt 420

aattaanttt agtacgaaan gcaaacanta aaacttatgg taatacnaaa anngccgtct 480

aaagattcaa act 493

<210> 17604
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-012-Q1-E1-E12

<400> 17604

ggctgcgaaa cgacagaagg ggatcgatca aagtcttgaa tatttcatct atatatacct 60

aagaaagaaa agagttaaag aagtatattt tcgattcaaa gaagaaaaat gaattctcac 120

cagaatcaaa ccggagtgca aaagaaggga ataacggaga aaatcatgga gaagctacca 180

ggtcatcatg gacctactaa cactggtgtt gttcaccacg agaagaaagg gatgacggag 240

aaagttatgg agcagctgcc aggtcatcat ggtgctactg gtaccggtgg tgttcaccac 300

gagaagaaag gaatgacgga aaaagttatg gagcagctgc caggtcatca tggatcacac 360

caaactggga ncaacacaac ttatggtact actaacacta gtggtgttca ccacgagaaa 420

aaaa 424

<210> 17605
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-012-Q1-E1-E4

<400> 17605

ggccctccgg anatccaagg tcgacccang cntccgccca ancgtcagta cggctgcgag 60

agacgacaga aggggagacc aacaaaaaaa aagagggaaa atctccttgt tcaatagtca 120

ataagttagc cgctatcgat ctagtcatgt tgagcatggt accgacatgt ttcaggctta 180

accatatgga gaagggatga taacgagatc tctctagacg tggatgggat tttcggttca 240

aagatggaat attcatataa attcacatgc ggattatagt taaatcggaa taaagttttg 300

ataagtggac tctccttacc taagtgggga tggtagtcca gtcttgtatc aatatatata 360

tttgggctaa cttaacatgc atatagaatc attatcantg tgttagaata ttcccaccta 420

aggtttcgnt catcccaatt cccannatta cttcgaaagg ggtccaaaaa gggaantcca 480

tttttccggg 490

<210> 17606
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-012-Q1-E1-F3

<400> 17606

actggtntcc tttgcccagc ctccggaaan tccaaggtcg acccacgcnt ccgtacggct 60

gcnagaagac gcagaagggg gacttagttg tttttaagga attgtggacc gtaggagagg 120

agatttatta tggtcccgga acaaattcca gaggtttccg ctcatatcat gcagtgatag 180

tatccagtat tgagatctat aaaggagaag tggtggccat ctgtaagatg agcaatggta 240

ctaaagtttg tgacgaagga tatgttaggg tttctctagc gacaacatac atggttgtgg 300

gtgccagtcc taaaaaaaga acatgttcgg gctacttcta agccgatgca tcttctctct 360

gaattcatca tcnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngattancc ag 462

<210> 17607
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-012-Q1-E1-F6

<400> 17607

ttggtcngcc cggggaccac cggnacggan ntcccgggtc gacccacgcg tcnnagcgaa 60

aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 120

acagaagggt acggctgcga gaagacgaca gaagggtacg gctgcgagaa gacgacagaa 180

gggtacggct gcgagaagac gacagaaggg tacggctgcg agaagacgac agaagggtaa 240

ggcaccagcg gcagaagaaa caacatctgt taaggaagac aagtgaagac tctgttctag 300

agatgatgaa gaagagacag caaaatcagg agacaagaag gatgatgccg ttaangagga 360

aggccaagcg agcaagagac gtcggagcgg cggctactac ttaggtttca gtttttgaaa 420

ttttgaanaa tggtganaat catttgctca atgatggtct tanagtatg 469

<210> 17608
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-012-Q1-E1-G1

<400> 17608

actggtttgc tttgcccagc cctccggaan tccanaggtc gacccaggcn tccgtacgag 60

atgcaagaag acgacagaag ggtacggctc cgagaagacg acagaaggga cactattnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

gcggccgcnc tanaggatcc aagcttacgt acgcgtgcat gcgacgtcat accncttcta 240

tagtgtcacc taaattcaat tcactggccg tcgttttana acgtcgtgac tgggaaaacc 300

ctggngttac ccaacttaat cgccttgcag canatccccc tttcgccagc tggcgtaata 360

ncgaanaggc ccgcaccgnt ngcccttccc aacagttgcg cagcctgaat ggcgaatgg 419

<210> 17609
<211> 210
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-012-Q1-E1-G7

<400> 17609

agaaggatac ggctgcgaga agacgacaga agggtacggc tgcgagaaga cgacagaagg 60

gtacggctgc gagaagacga cagaagggta cggctgcgag aagacgacag aagggtacgg 120

ctgcgagaag acgacagaag ggtacggctg cgagaagacg acagaagggt cttgnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnngcggcc 210

<210> 17610
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-012-Q1-E1-G9

<400> 17610

ccgggntcta ccggtaaggt gcntcccggg tcgacccacg cgtccgtacn nctgcgagaa 60

gacgacagaa ggggatcaca agcaaagaaa atggagagcg attcagagat ggttccgttt 120

cctcaactac cgatgccaat agaaaacaac tacagagctt gcacaattcc ttacagattt 180

ccttctgatg atcccaagaa agccactcca aacgaaatct cgtggatcaa cgtcttcgcc 240

aattccattc cttctttcaa gaaacgtgca gagagcgata tcactgttcc agatgctcct 300

gctagagctg aaaaatttgc agaaagatat gctgggattc ttgaagactt gaagaaagat 360

ccagagagtc atggcggacc accagatggc attcttctat gccgacttcg tgagcaagta 420

ctcagagagt taggatttag ggacatattc aagaaagtta aggatganga gaatgcaaag 480

gntatatcac taatt 495

<210> 17611
<211> 299
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-012-Q1-E1-H1

<400> 17611

gactggtttc ctttgcccag ccctccggaa atccaaggtc gacccacgcc tccgtacggc 60

tgcaagaaga cgacagaagg gtacggctgc gagaagacga cagaagggta cggctgcgag 120

aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg caagaagacg 180

acagaagggt acggctgcga gaagacgaca gaagggtacg gctgcgagaa gacgacagaa 240

gggtatgtaa aaaaaaataa acnntgnaaa aaaaaatnaa aacncgaaaa naagcggcc 299

<210> 17612
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-011-Q1-E1-H4

<400> 17612

tgccgcccta ncggtcaatg anatcgnggg ccgacccatc cgtacggctg cgagaagacg 60

acagaagggt acggctgcga gaagacgaca gaagggtacg gctgcgagaa gacgacagaa 120

ggggatgaag ggaataactc tagagacagg gacanaagta ctcactcagc aactgttgtt 180

gacgatctaa agtatcgttt gatggatact accaaagagt ttaaggatgt tcttaccatg 240

agaaccgaga atatgaaggt ccatgaaagt agaaggcaac tcttctcttc aaatgcttca 300

aaagatcaac aaacccatcc ttcgcaacgt cctttggtgc naaggtgctc cantgaactg 360

ttcctctcca tggcaatggg tctctcatct cactcattat ccatggaacc ggagaggaga 420

tctcacantg tgnnnnnnnn nnnnnnnnnn nnnnnnnnna ttg 463

<210> 17613
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-011-Q1-E1-H6

<400> 17613

ctaaagcaat tgtcagattt cagcatctcc catggaggaa tcaagattcg attctgaaga 60

tgttgattat gctgagattg ttgttgttcg ccatggtgaa acatcttggn atgccgagag 120

aaaagtccag ggtcatttgg atgttgagtt aaatgatgca ggaagacaac aagcacaaag 180

agttgcagag cggttatcga aggagcagaa gatatctcat gtatactctt ctgacttgaa 240

gagagccttt gagactgctc agatcattgc tgctaaatgc ggcaaagctt gaggtgctta 300

ccgattgtga tttgcgggaa agacatttaa gagatatgca aggacttgtg tatcaaagaa 360

gcntccgaaa atttcgcccc ggaagcttac aaaggctttt tcatcctaaa ccgcacaaga 420

cgttgatat 429

<210> 17614
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-011-Q1-E1-H7

<400> 17614

gcgtccgtac ggctgcgaga agacgacaga agggcaccaa agacactaan nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnncggagaa gccataagaa cattgttagg ctacttaaag gtaagccctt 180

taggaaacca gatatctccg caacgattca ggaggtattg gatagtatga gagctagtgg 240

taaaaatggg attgttgttg atgttggagc taatgttggt atggctagct ttgctgctgc 300

ggttatgggg tttaaagttc ttgcctttga agcctgtttt tgagaattta cagangattt 360

tgtgatggga tttggtttaa tanagttgct cttggtactg tgtttgaaac tgctgcttct 420

gacagaacaa gggatatacc ttccataagt t 451

<210> 17615
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-011-Q1-E1-H3

<400> 17615

gcgtccgtac ggctgcgaga agacgacaga aggggacaca acacatacat ctatacattg 60

aaaacaaaat agtaatagtc atcatggcta agtttgcttc catcatcacc cttatcttcg 120

ctgctcttgt tctctttgct gctttcgacg caccggcaat ggtggaagca cagaagttgt 180

gcgagaagcc aagtgggaca tggtcagggg tttgcggaaa cagtaatgca tgcaagaatc 240

agtgcattaa ccttgannga gccanacatg gatcatgcaa ctatgtcttc ccagcacaca 300

agtgtatctg ttacgtccca tgttaaatct ancaataatc cttggtgcaa atcctgtgta 360

tttacatana ataagtctct gtcactctat gagtaacttt atgacatgca tatttctgtt 420

ttaatgttta atttcccgtt gttgttacaa taataa 456

<210> 17616
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-011-Q1-E1-H8

<400> 17616

caaagacagt taaacaaagc acaagtgaat ctgtcagaac tagagactag aagagcagag 60

aagctggaac tgaccatgtg tttaagtgga acgaaaaagt agcttgagac atcgcaaaat 120

cggctaaagg agacagagan aaagttaaca agagcttcaa actctgttgt atctaacaaa 180

ggatgcaaaa gaagcagctg aggatggttt aaaggctgca aacgggaaaa ctgaagcgat 240

tgaatcaaga cttaaagatg tcgaagcaga agcggaatct ttgatcttga aaatcaaatc 300

actggaagac gtcacagaga aggaacgtgc tttatcagca agacacaatt caaaagtgca 360

acgaactgca agatgagatt tcaanactaa aacaagaact ccgagcatca tcangaaaca 420

gatcctgcg 429

<210> 17617
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-012-Q1-E1-A10

<400> 17617

gcgtccgtac nanctgcgag aagacgacag aaggggcaag ggatacggtg tttacaagta 60

cgtcgacaag tatggagctg actcagacat tgcgagaaga aacgtgcatg gaagacgctg 120

tggtgtgtac tcgtagtcct ttaaacggca accgttggat atgctttcac gtttaaagga 180

aatagcgtgg cggagctgac tcagacatat gatatgaacc gtataagaag atagtaagag 240

ttggtagttg gtacaagact cgttgttaca tagattgaaa aaaggcgtcg gcacatgaac 300

cttgcttaat ctatagacta tttgtaagag ttttgataat aggaaggact tataaattat 360

tttttggggg aatataatac aagtttgttt ttgtaaataa gcgatttctt tgtaaacgaa 420

catttggatt ttgggggtta tttgtgtgag catg 454

<210> 17618
<211> 513
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-012-Q1-E1-A2

<400> 17618

caaagacagt taaacaaagc acaagtgaat ctgtcagaac tagagactag aagagcagag 60

aagctggaac tgaccatgtg tttaagtgga acgaaaaagt agcttgagac atcgcaaaat 120

cggctaaagg agacagagan aaagttaaca agagcttcaa actctgttgt atctaacaaa 180

ggatgcaaaa gaagcagctg aggatggttt aaaggctgca aacgggaaaa ctgaagcgat 240

tgaatcaaga cttaaagatg tcgaagcaga agcggaatct ttgatcttga aaatcaaatc 300

actggaagac gtcacagaga aggaacgtgc tttatcagca agacacaatt caaaagtgca 360

acgaactgca agatgagatt tcaanactaa aacaagaact ccgagcatca tcangaaaca 420

gatcctgcg 429

<210> 17617
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-012-Q1-E1-A10

<400> 17617

gcgtccgtac nanctgcgag aagacgacag aaggggcaag ggatacggtg tttacaagta 60

cgtcgacaag tatggagctg actcagacat tgcgagaaga aacgtgcatg gaagacgctg 120

tggtgtgtac tcgtagtcct ttaaacggca accgttggat atgctttcac gtttaaagga 180

aatagcgtgg cggagctgac tcagacatat gatatgaacc gtataagaag atagtaagag 240

ttggtagttg gtacaagact cgttgttaca tagattgaaa aaaggcgtcg gcacatgaac 300

cttgcttaat ctatagacta tttgtaagag ttttgataat aggaaggact tataaattat 360

tttttggggg aatataatac aagtttgttt ttgtaaataa gcgatttctt tgtaaacgaa 420

catttggatt ttgggggtta tttgtgtgag catg 454

<210> 17618
<211> 513
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-012-Q1-E1-A2

<400> 17618

agcctccgga natccaaggt cgacccacgc ntccgcccaa ncgtcangac ggctgcgaga 60

agacgacaga aggggagata gagaagacga taaactcact tgccaagaag gcaaatgaag 120

gaaccatatc catagatgag atggctggcg gatcattcac cgtttcaaat ggcggtgtct 180

atggaagtct cataagcact ccgatcatta atcctcctca gtctgccata ctcggcatgc 240

actcgattgt gtcatgtcca atggtagtag gaggaagcgt agtgcctaga ccaatgatgt 300

atgtcgcact tacgtatgat cacaggctga ttgatgggta gaaaggctgt gtacttcctg 360

cgccgtgtna anggatnttt gttggaggat ccaccaaagg cntcttcttg acntcccgna 420

agaattttgg ttttcnaagg agtcccnaaa ntgtccgggc ttttgncagt taataaacct 480

tgcagtgtcc ttaaaaacgt ttgggggtn aca 513

<210> 17619
<211> 388
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-012-Q1-E1-A3

<400> 17619

gggcttcaag gtggagcaga agaaaagtaa agccaaggaa tgcggtggag ctcacgggta 60

tgacaatgcc ttcttttcga tgagaactat attcatcggg catggtccta tgttctcaaa 120

aggaaggaaa gtgccttctt ttgagaatgt tcagatatac aatgtgatca gttcgattct 180

aggacttaag gcagcaccaa acaatggatc tgatgagctt tcttcaagca ttctcttgcc 240

acgcgtgtag aagggtangg taagtttatt cttctgtcga taaaaggcag tctagactct 300

tgagaccttg ttgtcaaaac ataaacgcgt ttgacctctt aanacgtttt aagccgtttt 360

gatcggattg cggtttttgn atgattcc 388

<210> 17620
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-012-Q1-E1-A9

<400> 17620

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atatcaaccg atatcgctct ccacgagtct cctcaggcct tgtttgatga atatttggaa 120

gacaaaccaa gggttttcga agcaatgttt ccggataaac ccaaaaacta taggcttaat 180

gaggaagaat ggagaatcca aatgttacca ataaaatttt tcttcctcac tgcgtgtcca 240

gtggtggtca tgcggattag atgcaaatcc aacggtcagg attacccatc agacgtacct 300

ctacacataa ccaaagttct tgagctcaac atgacgaaat gggagctcaa gggcttgacc 360

gantaatgga acaactgatt cacccttggg t 391

<210> 17621
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-012-Q1-E1-B3

<400> 17621

agccctccgg atatccangg tcggcccagg cntccgtacg nntgcaaaga agacgacaga 60

agggggaatt ggattcgggg gaacacttgg aaatgagaga attttcattg atgaagactt 120

tgctaaaatc acagtccgtc atcatgcagt tgataaaact taccagtcag gctctctttt 180

cccaaaccag ggttatttac cagtagaggc tttggttcta gatattgaag catgggggtt 240

aggtggaaac aaggctaggg aaattcaaca aaaataccag aaaagagaag agcttttcac 300

taaccaacgt cgaaagatcg acttgaaaac gtttacgaac tgggaagatt cacctgagaa 360

aatgatgatg gatatgatgg gtaatcctaa tgctcctaaa aaagggnaga gaggtaattg 420

anngaangac canaactggg tttgnnnatt tncccncata nccgttggtt gtcccctnaa 480

aatttttgg ccangaaa 498

<210> 17622
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-012-Q1-E1-B4

<400> 17622

ggtctccttg gccagcctcc gganaccang tcgaccacgc ntccgtacgn atgcannnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnctt ctccttcatc ttacggcacg 180

tttcaaggtg tccctactta tcctccaccg tcctatcctc atcctccgtc gcatcatcca 240

gtcatcggaa ttcctcagcc gtctccacct cccggatcac ctcatcacga catttccgtt 300

catcaataca ttcaagaaca tcaaaccgtt gctggttacc ctgtttctca aggaagacct 360

gcaagacaaa accgtcttcc ttgttgtggt cttggcctcc ggttggttcc tgttcatcaa 420

nttggtttcc ctccttgggt gcaaattcca tgggnatgtt agg 463

<210> 17623
<211> 376
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-012-Q1-E1-B8

<400> 17623

ctgcgagaag acgacagaag ggtacggctg cgagaagacg acagaagggt acggctgcga 60

gaagacgaca gaagggtacg gctgcgagaa gacgacagaa gggggcgttc gattacagct 120

ccacagagga ttcggaaatg gntgagtcan aggttgtagt tccagagtcg gtgttgaana 180

agangaagag agaggaggaa tgggctttgg agaanaagca gantgttgaa gccgccaaga 240

agaagaacgc cgagaacagg aagcttatct tcaaaagagc cgagcactac tccanggaat 300

atgccganaa gganaangag ttatctcgtn gaaacccaag gccngcttaa gggaagtttc 360

tatgttgacc ctngaa 376

<210> 17624
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-012-Q1-E1-C1

<400> 17624

ctttgncctg gccctccgga natccanagg tcgacccagg cgtccgctgc aagaaaacaa 60

cagaaggggg actttgatgc atccgtacga aaatggagct ctgcaccagg tctaccacaa 120

tcatcactca tctccctgcg agcttcaacg gccatggata tctagcggga aaatctgttg 180

atagaatctc acttcctctc cagcgaaacg ttgcgtctct cgttcttcaa tcccgcacgt 240

tgcgttgtag tagaaagttt ccaggagaaa cagttactga agaaacatca acaggagtca 300

atgagtttgg tgtggaggat cgtgatggag tagttgttgc agccgaagag aaaaactcga 360

atagtgaagc tcctcaagct gangatgagg aaactcaagc cctagagttt ttgaacgata 420

ttaagcctgg nctcagacca ngacatattc aatcctgccc taaggggatt ggtgcnaat 479

<210> 17625
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-012-Q1-E1-C10

<400> 17625

atttgtcngg ccgggtctac cggtaaggag ntcccgggtc gacccacgcg tccgtacgan 60

ctgcgagaag acgacagaag gggacgacgg agaaatacaa aggtggctct tcaacactcg 120

tcgtcgggaa acagcttcta ctcgagaact atcctctcgg aaaatctctc aaaaatcctt 180

acctccgtgc tttatccacc aaacttaacg gcggtctccg ttccataacc gtcgttctaa 240

cggcgaaaga tgttaccgtc gaaagattct gtatgagccg gtgcgggact cacggatcct 300

ccggttcgaa tccccgtcgc gcagctaacg gcgcggctta cgtatgggtc gggaactccg 360

agacgcagtg ccctggatat tgcgcgtggc cgtttcacca gccgatttac ggaccacaaa 420

cgccgccgtt agtagcgcct aacggtgacg ttggagttga cggaatgatt ataaaccttg 480

ccacacttct agctaacanc gtga 504

<210> 17626
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-012-Q1-E1-C2

<400> 17626

agccctccgg attaccanan gtcgncccan gcntccgccc aaacgtcagt acggctgcga 60

gaagacgaca gaaggggggag aaaaggaggc gaaaatggtg cagcgtcttg tttaccggtc 120

gcgacacagc tacgccacca aatcgaacca gcaccgtatc gtcaagactc caggaggtaa 180

attggtgtat caaaccacaa agaagagagc tagtggcccc aaatgtcctg ttactggcaa 240

gcgtattcaa ggaatccctc acttgaggcc ctctgagtac aanaggtcaa gattatcaag 300

aaacaggagg actgtaaacc gagcatacgg tggagtcttg tctggttctg cagtcaggga 360

aaggatcatt cgggcattcc ttgtcgaaga gcanaanatt gtgaagaaan tgtttgaaac 420

tcccaaaagg gctaaagggn aaannntannc ccccaaaggc ttaaagcttt aaggttttat 480

ccttcnccgt tttgg 495

<210> 17627
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-009-Q1-E1-H9

<400> 17627

ctggtttgct ntcgcctgcc gtccggaaat caanggtcga cccacgcgtc cgtacggctg 60

cnagaagacg acagaagggg ggagagctct gacggcatca gccacctctg cggcttcgca 120

aatccaaata agctgtggat gaaacgaaga atcctagatt tctgaatggc gacaccattt 180

atagcggggg ttgcagtagc tgcaacagca cttgctggta gatatggaat ccaagcatgg 240

caagcattca aggcaaggcc accaaggccc aaaattaaga aattttatga gggcggtttc 300

cagcctacga tgacgaaaag ggaagctgct ctcattcttg gcgtcaggga gagtgtagcg 360

gcggaaaagg tgaaggaagc acacaggaag gtaatagtag caaaccatcc agatgcangt 420

ggtagcattt cctaacctct aagatcaatg aagctaaaga cntatgctan gcaaaactaa 480

aaacagcgga ttcgcttttt gatg 504

<210> 17628
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-010-Q1-E1-B3

<400> 17628

gttttttggn cgcccggtcc gganaaacgg gtcgaccccc gcgtccggcg naaaacgaca 60

gaagggtacg gctgcgagaa gacgacagaa ggggtacgag cgtcttctga ttcgtcagga 120

atcgacgaga tttggggatt tgaagatcac gtgtcgaatt acggtggttt agattttggt 180

tccggcgtcg gagatggtgg agattacgtg gctgttgagg ggttgtttga attttccgac 240

gattgttttg acttcggcga tctgttttcg tggcggtcgg agtcgttacc ggcggaataa 300

ataaataaca aacttttttt ttaattaggt gggaaatgaa aacgatatcg ttttgttaaa 360

gcgtttggct ctccctcgct ttttttttta acccgatggt taatatctat taactaaaat 420

tattaggatt taagaaaagt taaatatttt gtaanggtaa tttgctagat tagtattaac 480

gaaattcgtt tgttggtcct ccaan 505

<210> 17629
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-010-Q1-E1-B6

<400> 17629

tcagaagacg acagaagggc accatcgaca acgttaaggc caagatccag gataaggagg 60

gcattcctcc ggatcagcag aggcctattt tcgccggcaa gcagctagag gatggccgta 120

cgttggctga ttacaatatc cagaaggaat ccgccctcca cttggtcctc aggctccgtg 180

gtggtatgca gattttcgtt aaaaccctaa cgggaaagac gattactctt gaggtgggga 240

gttctgacac catcgacaac gtcaaggcca agatccaaga caaagagggt attcctccgg 300

accagcagag gctgatcttc gccggaaagc aattggagga tggcagaact cttgctgact 360

acaatatcca gaangagtcc aaccttcatc ttgttctcaa ggctccgttg tgggtatgca 420

gattttccgt taanacgttg actgg 445

<210> 17630
<211> 227
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-009-Q1-E1-H4

<400> 17630

tttctttggc cagcctccgg aaatccangg tcgncccacg cntccgtacg gatgcnagaa 60

gacgacagaa gggtacggct gcgagaagac gacagaaggg tacggctgcg agaagacgac 120

agaagggtac ggctgcgaga agacgacaga agggtacggc tgcgagaaga cgacagaagg 180

gagatttnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ngcggcc 227

<210> 17631
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-010-Q1-E1-B8

<400> 17631

gcgtccggcg annnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnntagctt cacgattcca tctccttcct ccttctctct 120

ttccaattca tataatcaaa cctctcctca ttccttcact ctccgcaatt ctcgttccaa 180

ttttgagttc caccggttac gattagatgt ggagtctcga agaagaagca cttctttacg 240

gtccaattgc tccaccaaag gtacagattc aggtgaaaat gagaacaaaa gtgtgttaga 300

tgctttcttt ttggggaaag cattagctga ggttatcaat gagagaattg agtctactgt 360

tggagaagtg ttgagtacta ttgggaaagt ttcaaagctg agcaacagaa acaagttcaa 420

gagattctgg aagaagttct tgaaagagct aaagaaaagc taaggaaag 469

<210> 17632
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-010-Q1-E1-C3

<400> 17632

gcgtccgtac nntgcgagaa gacgacagaa gggtacggct gcgagaagac gacagaaggg 60

tacggctgcg agaagacgac agaaggggag ttccctccgt tgcttggaat caacactgga 120

catggaaaac acaaatactc agacaaaggt ctagcagctg ttttcgagtc tcacttgaag 180

gagctaaatg ctcctttcca tgaagcccca gataaggttg gctggttttt gactaccagt 240

gttgcggcaa aggcatggtt ggagtctaga cgctcagctg gaggagtttc tgcgtagccc 300

ttgtaattgg tatgtagctt tgatattgtc tatgtggctt cgagctttct ccactattta 360

gttttctttc tcctgatacc ggatactgga tnangaaaga ttttgtaatg ctagcaaact 420

cgggttatac acattttgaa acaatttana gaactgatta agttcc 466

<210> 17633
<211> 516
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-010-Q1-E1-C4

<400> 17633

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acatccgccc acgcgtccgt acggctgcga gaagacgaca gaagggtacg gctgcgagaa 120

gacgacagaa gggggaggaa gagaaaacaa acctttaact gaagaaagag tttgagtatg 180

gcagcgtcga ccataggtag aggttcatcg gaggataagc cggggaaaag aacatctccg 240

gtgactggca agcccacaag attccccaac tgaatcatcg ataccgccgg tatagcaacg 300

tatgtaatcc cggcgatgtc atggatcttt atactcccgt tgcaatttgc ggtgttgcat 360

gaactccaag aatcggtaaa taaaggagtc gatatcatta ccgaagcttg caactcactc 420

gtctcgaatc gacaatcgtc catgattgga tatcgagtag agagttgcag aacgatgatg 480

tttatgaagt tgttaatata ttacaagcaa aaagaa 516

<210> 17634
<211> 183
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-010-Q1-E1-C5

<400> 17634

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnngctcc gttggttcaa tgtaagcttn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnngcg 180

gcc 183

<210> 17635
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-010-Q1-E1-C7

<400> 17635

agaaggggac agacgccatc attaacaaca tcctcttaag cttctgcgat tctctccgtt 60

tgtcggaaga tttcacgacg attcttcaat ccttatccga accggagaaa tcatgtcgga 120

cgctttgatc aatggattgg ctggagctgg tggtgggatc attgctcagc ttctcactta 180

tcctcttcaa actgtaaata cgcgccaaca gacggagcgg gatctgaaga gggagaagag 240

gaaacttgga actatcgaac acatgtgtca ggttgtcaaa caagaaggat gggagaggtt 300

atatggtgga ttggcgccgt ctcttgctgg aacggctgca tcacagggtg tgtactacta 360

cttctaccaa gtgtttcgga atcgagctga agccacagct cttgcacgga agaanaaagg 420

tttgggtgac ggattan 437

<210> 17636
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-010-Q1-E1-D4

<400> 17636

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gatagaagct gctccaccaa cagctgagct tgagcccatt cgttctgact attctcagct 120

cgatgaagtc nacatgggaa tgacatatna agagctttca gtctatggaa ggatgaggaa 180

gatattccgt tgtggaccag tatctatgtt caagaatcta tgttacaagt ggggaacaaa 240

gctaagccca gcagaagtag ctgagaaagt gaagtatttc ttcaaatatt attcgatnaa 300

tcgacacaaa atgactgtcc tcacaccgtc ttatcacgct gagagttact ccccagagga 360

caacagattc gatctgaagc aatttctgta caacagcaag tgggcatacc agttttaag 419

<210> 17637
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-010-Q1-E1-D5

<400> 17637

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gtggtggttc cgttaacgag caacggcgat gaagagacct cgacctacat ctcagccgtc 120

gatctcttcc accgtcaaac caccactgtc tccgccggtc acaccgattc tcaaacagaa 180

gctacacaga acaggaacac ctaaatggtt cccgttaaaa ctaacccaca cggagctgac 240

gttgccgtta acttttccga cgggtcaaac attccggtgg aagagaactg gagcgattca 300

gtatagcgga acgattgggc ctcacttagt ctctcttaga caacgtccag gagacgacgc 360

agtttcctac tgcgtccatt gtagcacaag ccctaaatcc gcggagcttg cgttgctcga 420

ttttctcaat gctgagatct c 441

<210> 17638
<211> 512
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-010-Q1-E1-F2

<400> 17638

actggttttt cggncggccc ggtccgggan antacgggtc gaccncgcgt ccgtacnnca 60

gcgagaagac gacagaaggg gagagagaat caaaacaatg gccactgtga aaatctctct 120

ttccttggct tcgctatcac catcttcttc ttcttcttca attcaatcta agttatcacc 180

atctttcatt cccaatgcgg cacctgcaaa ggcggtgagg ttgcgattca atggaaagtc 240

cctgagagca aaaccaatgg tatacagatc atctcgctcc gttggagtca cctgctctgc 300

ttcatcttct ctgacgactc ttccctctgc tcttctcttc gattgcgatg gcgttcttgt 360

tgataccgag aangacggtc acaggatctc cttcaacgac actttcaaag agagagattt 420

gaatgttacg cgggatgttg atttatacgg cgagttactt aaaatcngtg gtggtaaaga 480

aaggatgact gcgtatttta acaaggttgg tt 512

<210> 17639
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-010-Q1-E1-F4

<400> 17639

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gtgttggatg gcacattctt tgagtttcat ctccaccaac ttgaacagtt cagtccttaa 120

ccatcatcag tgccagagtt tcggaacgtt tgtgtcgtcg ccatttaaac gaaagaggag 180

atttgcaaga agcattagag ctttacaaga gactgaaggt ccaacgccaa gaagattgat 240

agacattata agatctgttc ctgaaatctc taggaattac ttcaagaagc cttcaagaag 300

aacgcttttt ggaggaatct cgttgntagg tggcttttat gtcgcgcaga ctatctctct 360

ctcgtttgga gcattgggag tgaacgatgt tattgctgcg gttctatgcg tcctttgaca 420

gagtatgtga 430

<210> 17640
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-010-Q1-E1-F6

<400> 17640

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ggggaagaag agaagaagaa gaaccttaca attgcttttg taaatattgt aggtagttta 120

aggacgtcac tacctacata catggattta tgtggaactc agatgctgcg cctctcatcg 180

cctcatttca aaacccttca tttggtgagg catgcacaag gagtccacaa tatagcatta 240

ggagagaagg gagagaaacc tgaatcagaa aagctttttg acgcccacct ttctccaaag 300

ggtttgcaac aggtttcgga aaggcgcaac caaatccttg aatcaggatt acttaacact 360

gtcgagttag tgataacctc tccgctgtgc agagcaatgg aaacttcaat aggaatattt 420

aggggacaaa ggatatg 437

<210> 17641
<211> 363
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-010-Q1-E1-F7

<400> 17641

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agaagacgac agaagggtac ggctgctaga agacgacaga agggtacggc tgcgagaaga 180

cgacagaagg gtacggctgc gagaagacga cagaagggta cggctgcgag aagacgacag 240

aagggacggc tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggta 300

cggctgcgag aagacgacag aaggggcctn nnnnnnnnnn nnnnnnnnnn nnnnnnngcg 360

gcc 363

<210> 17642
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-010-Q1-E1-F8

<400> 17642

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ctaaaaatag aaatatgtct ctaaaagcca ttcatgtctc ggaagtgcca agcctcgacc 120

acttccctga gaacccgtcg ctcatttgct cctctcgcaa agcgaataac aagtttgtgg 180

tggttggcca tagaggacac ggcatgaaca tgtcgcagtt gccggatcta aggttctctg 240

ctctcaagga gaactccatc ctctccttta atgccgcttc aaaattccct ctcgacttta 300

tcgaattcga tgttcaggtc accagagatg gctgcccaat catattccac gacgacttca 360

tctactccga ggaacatgga gtggtgtacg agaagagggt cacggangtt tg 412

<210> 17643
<211> 549
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-009-Q1-E1-F1

<400> 17643

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gcgtccgtac ggctgcgaga agacgacaga aggggaaatc aaaagagaga gagatccaca 120

aaattggatt gaatcgtcgc cggatattcc aagagtagag agcttagttt gtctcgcgtt 180

gcgtctagat ttactgaata tggaggcgga gaagtggaac agcgacggtg gtgaatacac 240

gtcggaggac gaaggtacag aagattaccg acgcggcggt taccacgccg ttcggatcgg 300

tgactcattc aaaaccggcc ggtacgttgt ccagagcaaa ctcggttggg gccatttctc 360

tactgtttgg ctctcctggg atactcaatc ctctagatat gtggctttga aggtgcaaaa 420

gagtgctcag cattatactg aagcagccat ggatgagata acaatattgc aacagattgc 480

agaagggaga cactgatgat accaaatgtg ttgtgaaacc ttttggtgaa ttnaaacact 540

caaggcggg 549

<210> 17644
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-009-Q1-E1-F10

<400> 17644

tctgntctgc ccgtccggac atcanaggtc gacccangcg tccgacggat gcgaagaaga 60

cgacagaagg gggcgatcgg agaagaaaaa gctcgagaga cgccatggaa atttcccaag 120

ctcgttcaag cttcgtttgt cttcttcttc tgttactctc catgtgtttc gttccctgcg 180

tcttttccaa atctcctcgt cctatctccg atgtggagat caggcagaag aagagcgaat 240

gctacggtga tatagagagt gggttatggg gttggcaatg caaatcttct gcaatagcga 300

aagagaattg tgcgctgtga tgcctttctc cggtttgcta tcaactcatt tatgagagtg 360

atccgcttga agaaggtgaa aaagatttga ttaagagcca agagtacaaa gtattgtatg 420

tacaagccat cactcgggga aagcttagan ggtgttcgag gcatcctttg atggtatcaa 480

ataagacttt ctcagtgaa 499

<210> 17645
<211> 552
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-009-Q1-E1-F2

<400> 17645

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gcccacgcgt ccgcccacgc gtccgcgaga agacgacaga aggctacggc tgcgagaaga 120

cgacagaagg ctacggctgc gagaagacga cagaagggga agtcatgagg atgagagaaa 180

tgataattct tctgttgtga tggagcttag tctcatcaag ctgcaatctt tttcgttccc 240

ttcttcagtt tcaagtgtga aggatgtgag gttcttaaac cttgatttga aatcctcaca 300

tcagagagct aagagatcat caactgttgt tcctgcttta gctgaaacag ctgtttctat 360

agcgattgca gccacggttg ttggtactgc agctactatt cttgttagga gaaataacaa 420

agcctccgaa gaaaccgagg cttctatgaa agaatgtgaa ncttgtcncn gntcangaat 480

aatgtccctg aatgcaaagg tgaanggatt tgttttaaag aaactatcaa atgcaaatgg 540

ctgagaaaac aa 552

<210> 17646
<211> 561
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-009-Q1-E1-F4

<400> 17646

antggtttcc ttcgccagcc gtccggaaat ccaaggtcga cccacgcgtc cgcccacncg 60

tccgtacggc tgcgagaaga cgacagaagg gggcattcgt catttggtcc ctccacttag 120

agagaagcag acagaacata actaaaatcg agaaaaatgg caaacagtgg tgaaggtaaa 180

gtggtgtgtg taacaggagc ctccggttac atcgcctcat ggctcgtcaa gttcctactt 240

agccgtgact acactgttaa ggcctccgtc cgtgatccca gtgatccgaa aaagacacaa 300

cacttagttt cactagaagg tgcaaaggaa agacttcact tgttcaaagc agacctttg 360

gaacaaggtt ctttcgactc tgctattgat ggttgccatg gagttttcca cactgcttct 420

ccatttttta atgatgccaa agacccacag gctgaactta attgattctg cggtcaaagg 480

ggacgcctaa cgtttttgaa attcttgcgc caaaagcctc cttccggtta aaaaggtngt 540

tgttaaccnc ccccaagggg g 561

<210> 17647
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-009-Q1-E1-E6

<400> 17647

acggtaagga taccgggtcg gccacgcgtc cgtacggatg cgagaagacg acagaagggg 60

agacgaagaa gcaaagatgt tcagaaacca atacgacaca gatgttacga catggagtcc 120

aacaggtcgt ttattccaag tggaatacgc catggaagca gtgaagcaag gatctgcagc 180

aattggactc agatctcgtt ctcatgtcgt tctcgcttgt gttaacaaag ctcantcgga 240

gctttcttcg catcagagga agatctttaa agtcgatgac catatcggtg ttgcaatcgc 300

tggtctcaca gccgacggtc gtgtattgtc tcggtatatg agatcggaat cgattaatca 360

ctcttttacn tatgaagtct cctcttcctg ttggtcgtct cgttgttcat cttgttgata 420

aagctcaggt ctgtacccaa cnatcatgga nacgacccta tggtgttggt ttgctgggta 480

ggtggattgn atgagtctg 499

<210> 17648
<211> 553
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-009-Q1-E1-F7

<400> 17648

gtttcgccgg cncacggtca ggaaacccgg gtcgnccacg cgtccgtacg gntgcgagaa 60

gacgacagaa ggggatctca ctttgttcat ctaaaaactc ctcctttcat ttccaaacaa 120

aaacttcttt ttattctcac atcttaaaga tctctctcat ggcgatgtct ttctcaggag 180

ctgttctcac tggtatggct tcttctttcc acagcggagc caagcggagc agcttcggcg 240

ctgtcagagt cggccagaaa actcagttcg tcgtcgtttc tcaacgcaag aagtcgttga 300

tctacgccgc taaaggtgac ggcaacatcc tcgatgacct caacgaggcc acaaagaaag 360

cttcagattt cgtgacggat aaaacaaaag aggcattagc agatggtgag aaagcgaaag 420

actacgttgt tgaaaaaaac agtgaaaccg cagatacatt gggtaaagaa gctgagaaag 480

ctgcngcgtt atgtggagga gaaanggaaa agaaancccc aacaaaggng gnagaanttc 540

cccgagggta aaa 553

<210> 17649
<211> 550
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-009-Q1-E1-G1

<400> 17649

tggttcttcg ccagcctccg gaanccaggc gaccacgcgt ccggaagacg acagaagggg 60

gtcctgtcga tactcgcaca acatctccta tccataaatc cgcgcctgct tttatagaat 120

tagatacaaa attatcgatt tttgaaacag gaattaaagt agtagatctt ttggcccctt 180

atcgtcgtgg gggaaaaatt ggactattcg gtggggctgg cgtgggtaaa acagtactaa 240

ttatggaatt gatcaacaac attgctaaag ctcatggtgg tgtatccgta tttggtggag 300

taggcgaacg gactcgtgaa ggaaatgatc tttacatgga aatgaaagaa tctggagtca 360

ttaatgaaca aaatcttgcg gaatccaaag tggccctagt ttatggtcag atgaatgaac 420

cgccaggagc tcgtatgaga gttggtctga ctgccctaaa ctatggcaag aatattccga 480

gatgttaatg agcaagacgt acttcaatta tcgacaaaaa ccttccgttt cgtanaaaca 540

ggattcgagg 550

<210> 17650
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-009-Q1-E1-G11

<400> 17650

nggtctgctt cgccctgccc gtccggaaat caagggtcga cccacgcgtc cgcccangcg 60

tccgtacggc tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggta 120

cggctgcgag aagacgacag aagggtacgg ctgcgagcag acgacagaag ggtacggctg 180

cgaagacgac agaagggtac ggctgcgaga agacgacaga agggtacggc tgcgagaaga 240

cgacagaagg ggagaacaaa atactcatac acacacacac ttggatttaa agaaaaaaag 300

gagttttcct tcttcttttg ggtgtgtcaa gtttctgttc ttctttttct cgtgcttcca 360

tcacgagata tctcacaagg ctctcgcgac tcnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnccac cagcaacagc aacaagtact 480

tgatggctcg gacatagttg agctggt 507

<210> 17651
<211> 517
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-009-Q1-E1-G5

<400> 17651

ccgggtcgnc cacgcgtccg tacggagcga gaaacgacag aaggggggag ggagactcat 60

catagcttca gatggtatat gggatatact gtcttctgat gtggctgcca aagcttgtcg 120

tggtttatct gccgatcttg ctgctaaact tgttgttaag gaagcattgc gaacaaaagg 180

gttgaaagat gatacgactt gtgtagtcgt tgacatagtt ccatctggtc atctttcctt 240

ggctccagca cccatgaaga aacagaaccc atttacctca tttctttcaa ggaaaaacca 300

tatggatacc aacaacaaaa atggcaacaa gctttctgct gttggagttg tagaagaatt 360

gtttgaagaa ggttctgctg tgcttgcaga tagattggga aaggatcttc tctcaaatac 420

ggnaactggg ctcntaaaat gtgctgtatg ccaaatagat gaatcctccg agtgaangat 480

ttatcaccca atgggggtc catcaattcc tcancaa 517

<210> 17652
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-009-Q1-E1-G7

<400> 17652

atggaaatac ctttctagag tactcatcag acccagttac atgcgattat gatcgaactt 60

caggaatcca gaccatgaaa aaggtgatta caattcctac atataagcga taagaagaat 120

tgaagacgaa aattggaagg aggagctgat gggaaactta aaaaaatcta cacgcagtga 180

cgagttaagc cgttctggtc cccctcaaat tccaaatcct gactggaaca atttgtatca 240

ccgaaccacg gtggcctcat gtttggtgca aggagtttac gcaaaggaaa gagacaggga 300

aaacaaccga aatggttccg agtcattagc cacaccttgg tggaagagtt tcaacttcac 360

tttagatgaa agtgaaatcc tatatgacgt atttgacggc tccatatacg gtgctgtctt 420

ccaaaacatg ntcaattatg agaatacccc gaactcgata gtatacctcc gcgttacgtg 480

<210> 17653
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-009-Q1-E1-G8

<400> 17653

gcgtccgtac ggatgcgaga agacgacaga aggggaccta atccaataat aataaaaaaa 60

gagaagaaaa tttcccaaaa tcaaaaaccc taaatcgaat caaaatcctt tctaataaga 120

atgaaataac ccaaaacagc acaaaccgca gcaacagcat tgccttcttt caaaagaacc 180

ttaaacacaa atccaaacac ttctcttgta atcttacgag cttcaacaac caataccctt 240

ctcgatttcc caaaaaacgc aagcagcaca accaccgata tccagatcac cataaccgcc 300

ggaaccgcaa ccgcagccgc cgcaaccatc gacatggctc caaacacagc tcctaacacc 360

acagatgcgt aaaccgccgg taatcttgac ggagacggcg atgacgtgta ctggagcttg 420

taccagctaa gcacagatgt gaagaaagtt ccatgaggaa gccaggagaa tcgcgtagac 480

aggtacanag agacaaaccc atgt 504

<210> 17654
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-009-Q1-E1-H10

<400> 17654

nggttgcttg cctgcctccg gaatcaaagg tcgacccacg cgtccgacgg ntgcgagaag 60

acgacagaag ggggtacttc gtttctttgg acagtgtacc tccacgtatt cgtctctggt 120

gatttaatca aagcctctgg agaagatctg taggtacgta caaatgtctg aacatgttat 180

ggttttgggt aaaggtaaca aaggaatcag caagaattct tcagtcaatc catatgaatc 240

agcttggtta ggtcgttgga ctcagtcagg tagtgaagtg aagtttcatg atggtgagac 300

caattgctct aagcagttga taagacctga agatgagaat catggagtcg aggtcttgcc 360

gtttcctatg ttcaaggttt ctcaaaagag agagnnnnnn nnnnnnnnnn nnnnnnaacc 420

gtctttccat gaagatgttg gttcaagctc gagagctatg gttaatanaa tgccctggat 480

gtatccgcaa ggagaga 497

<210> 17655
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-009-Q1-E1-H3

<400> 17655

gcgagagacg acagaagggt acggctgcga gaagacgaca gaagggtacg gctgcgagag 60

acgacagaag gggacagacg ccatcattaa caacatcctc ttaagcttct gcgattctct 120

ccgtttgtcg gaagatttca cgacgattct tcaatcctta tccgaaccgg agaaatcatg 180

tcggacgctt tgatcaatgg attggctgga gctggtggtg ggatcattgc tcagcttctc 240

acttatcctc ttcaaactgt aagtacgcgc caacagacgg agcgggatct gaagagggag 300

aagaggaaac ttggaactat cgaacacatg tgtcaggttg tcaaacaaga angatgggag 360

angttatatg gtggattggc gccgtctctt gctggaacgg gtgcatcaca nggtgtgtac 420

taccnacntc tancnantgt ttccggatcg agctggaanc a 461

<210> 17656
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-009-Q1-E1-C6

<400> 17656

aatctaaaag tcgtcaaaaa tggctctccg atctgtcaaa acgccgacct tgataacttc 60

ggtcgccgtc gtctcctcct ccgttaccaa caagcctcac tctatcagat tctctcttaa 120

accaacgtcg gcactcgtcg tccataacca tcagctatcg ttctacggtt cgaatctcaa 180

gctgaaacca actaaattcc gatgctcagc gtcggctctt acgccgcaac ttaaagacac 240

gctggagaaa ctggtgaatt cggagaaagt ggttctgttt atgaaaggaa cgagagactt 300

cccgatgcgt ggattctcca acactgtggt tcagattttg aagaatctga atgttccttt 360

cgaagatgtg aatattctgg agaatgagat gttgangcaa ggacttaaag agtattcgaa 420

ttgggcgacg tttccccagc nttatatcgg nggtgagttt tt 462

<210> 17657
<211> 532
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-009-Q1-E1-C7

<400> 17657

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ggacttcgag agaagaagcc agcaaggaac gatggagnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nttggagatt aggcttgttg tttgatttcg ctacgagaaa atggacaagt 180

acgagcttgt taaagacatc ggtgctggga attttggagt ggcgaggctc atgagaagtc 240

aaaaactcca agggaactcc ttgctatgaa atnacatccg accttggacc taaagattga 300

tgagaacgtg gcgagagaga ttattaacca cagatcactt cgtcatccca atattatccg 360

gtttaaggag gtggttttga caccaatgca catcgccatt gctatggaat atgctgctgg 420

cggtgagcta tttgagcgta tatgtaccgc tggaagattc antgagggat gaagcaagat 480

actttttcca acancttatc tcaaggagtc anggtcttct ccactaaaan aa 532

<210> 17658
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-009-Q1-E1-C9

<400> 17658

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ctgcaagaag acgacagaag ggtacggctg cgagaagacg acagaagggt acggctgcga 120

gaagacgaca gaagggtacg gctgcgagaa gacgacagaa ggggagccat gaggttgtta 180

tatcggttaa accgttgaaa gtcgaaaact ggatacttcc agaaatgccg gggctaatta 240

ccgacttctt gatctccctc ggtgaccgat ttatttactt tgtgaactgg ctccatggag 300

acattcgtca gtacaacata gaggacccta aaaaccctgt attaacagag caaatttggg 360

ttggaggatt actacaaaag ggcagtcctg ttaaggcggt tggagaagac ggaaacactt 420

tccaattcga ggttcctcag atnaagggga aatctttacg aggtggacct caaatgantc 480

agctgacctc catgggaaac gatt 504

<210> 17659
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-009-Q1-E1-C5

<400> 17659

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ctcgatggct cgctaccagg agatttcggg ttcgacccat tgggtttggg gaaagacccg 120

gcttttctga aatggtacag agaggctgag ctgatccatg gccgatgggc gatggcagcg 180

gttcttggga tcttcgtcgg ccaggcctgg agcggtgtgg catggtttga agctggagcc 240

cagccagacg cgatcgctcc ctcctcgttc gggtcgcttc ttggaaccca attgcttctc 300

atgggttggg tggagagcaa acgatgggtc gatttcttca acccgggatt ctcaatcggt 360

tgaatggggc aacgccatgg tcnaagaccg ccganaattt cgcgaactgt accggcgatc 420

agggataccc cggtgggaga ttcttcgatc cgttgggtct cccccnggaa aaacc 475

<210> 17660
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-009-Q1-E1-D10

<400> 17660

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ggggatagca attcataaca agaagattag agactacaga gacagagaag atgggcatgg 120

caatgaagtc agtttctaac ttcgcaatct ttttaatcct ctttttggtc acctctgaaa 180

tatctgagat agaagcgaaa gataaggaat gtctaaaagg atacattgat gcgcctttaa 240

gctattgtat ggctaggatt tatccgtcgt tgtgttatcg aaattgtcgt ttttacaagg 300

gcgcgaaagg tggaaaatgc gacggtctta agtgcttctg cgacttctgc agcgacaagc 360

ctttttagtc agtttctgat gagaaatgtt tgaatcttgg catgtatant ggtttgtgta 420

atgattaaag gtaaacgaac aantaataat cantaaagtt anaataaaaa ttaaaaacgc 480

tagactttg 489

<210> 17661
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-009-Q1-E1-D11

<400> 17661

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gaccgaaact cggcaaaatc agagcttttt ggattggtct tgagtctggt caatggagag 180

ttggaagagt gagcttgtgg gtggttaatc ctcgtggtaa agaaaccgag gcaaaaacct 240

tttgttaccg atatgatttt gaagttgatg aactcttgct tggagagagc agtgacctat 300

caatggtgga acttagacct agccgtatca ctgaactcgc tgactccgat caaatctctt 360

cgtcttcagc tctgaatctt gaccgtacta tggtttccaa tgaggaaagc atggaagaat 420

acgcaaactt gaaactctct ctgctactct ataatgcggt tctcat 466

<210> 17662
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-009-Q1-E1-D3

<400> 17662

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gtattaaaat attgtttctt tagatattta tagaatatcc aaagatttta gtaaactgta 120

ttacgaaaat atctatcaga ttttgtcagg attatcgtct taacattttc ttggttttgg 180

tttgactagt tgaccgtgcc gccaccgaaa tctgaaggga ggcctattta ctaccacatc 240

gcggacgaag aangacacgt ggaggaagan tcagccgttg gatatgcntt gactttcaaa 300

ggaaatancg tggaacagtt gacgcaggcg ttgcaagaag agactagtat ggatgatgtt 360

gtggtctgta cacgccatcc ttcaaacggc aagctgtttc ctcttcgttt gcaacttcca 420

cctaatactg gaacaatgca tgtcactcta gtacctcaac tactttacgg caaggctgtg 480

tggntccccc tt 492

<210> 17663
<211> 534
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-009-Q1-E1-D4

<400> 17663

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gagaagacga cagaaggggg agacgagaga aagagaaggt aatcggccac gatgacgatg 120

gcgacgcctt tcagtggggc tgcgaactct attgtggcgg cgaggaccgt tctgataacg 180

ggagtgagca aaggtctggg aagagcccta gctctcgagc tggccaagag gggtcacact 240

gtgataggat gcgctcgtag tcaagagaag ctcaccgctc ttcaatcgga gctttcctct 300

tcgaccaatc atctcctcct caccgctgat gtgaaatcaa acagcagtgt cgaagaaatg 360

gcacacacaa ttgtggagaa gaagggtgtc ccagatatca tagttaacaa tgctggtacc 420

atcaataaga acagcaagat ttgggaagtc tctgctgaag atttgacagt gtcatggata 480

caaacgttta aggagttcaa atgtgctgcg ccanttatcc cnttgatgct ccca 534

<210> 17664
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-009-Q1-E1-D6

<400> 17664

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gagaagacga cagaagggta cggctgcnag aagacgacag aagggtacgg ctgcgagaag 120

acgacagaag ggtacggctg cgannnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnga 240

aaagaagctc ggctccttct tgattcaggc ggctatatct gaatgttcaa atgtcagtta 300

tggtcaggct ggtagatttt caaatgacgg ttactcagct tggatttacc gccctttag 360

aaaccccact ttatggaggg aaagaaaaac acacnaanac acaaaggaag agtttcgaga 420

ccttgtttct ctgttagagg gtcttgtaag aatgcttatg tggataaatc ntttgagtta 480

tatcgtcntt tgttt 495

<210> 17665
<211> 536
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-009-Q1-E1-D7

<400> 17665

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tgcgagaaga cgacagaagg ggggagtttc aggtagtctc catcgttcct ttgtcaggaa 120

caaaccaacg actcaaaatt taaccagaga tggtggaagg tgaagaacag aggaggatca 180

cacacttgga tctgagaaac gagccccagt ttccaatggt tttcgttaga gaatcgactt 240

gtttcgctaa ggacgatctc gctatcttcc cgccgatcaa ccacgagaat ctctacgtca 300

acggactcga atctccgtcg gtatcatcct cttcttcatc ttcctcgtcg agactctcag 360

attcgtcctt ctctccgtcc gattcagacg aacaatttca atttagccgg aaatcgcatt 420

ctcagccatc ggaagatgtc gggaaatctc cgtggaaatc cgtaattgag attgatatta 480

tccaaggttg gtggaanaat cttctcgctc gaataatgtc aaattccana aattgg 536

<210> 17666
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-009-Q1-E1-D9

<400> 17666

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tacgaaatgt cccggtttta gtcatcccaa ctgatgtcag gcttgttgcg tgtggacatt 180

ctcacactct cgtttatatg agagagggac gaatttgtgg atggggttat aatagttatg 240

gtcaagcagc aaatgagaaa tcgtcatatg cttggtaccc atcgcctgta gactggtgtg 300

taggacaagt gaggaagcta gcagcaggag gtggtcattc agctgtttta accgatgcat 360

tttcgttgaa ggagttgtgt gaatttcaat tagcagatan tgtgaacctc tcaaatgctt 420

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actga 485

<210> 17667
<211> 525

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-009-Q1-E1-E1

<400> 17667

cngcctccgg aaatccaagg tcgacccacg cntccgccca cgcgtcagcc cacgcgtccg 60

cccacgcgtc cgtacgcgga gaagacgaca gaagggcacg gctgcgagaa gacgacagaa 120

gggtacggct gcgagaagac gacagaaggg tacggctgcg agaagacgac agaagggtac 180

ggctgcgaga agacgacaga agggctacat tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn gcggccgctc tanaggatcc aagcttacgt acgcgtgcat gcgacgtcat 300

agctcttcta tagtgtcacc taaattcaat tcactggccg tcgttttaca acgtcgtgac 360

tgggaaaacc ctggcgttac ccaacttaat cgccttgcag cacatccccc tttcgccagc 420

tggcgtaata gcgaanaggc ccgcaccgat tgcccttccc aacaattgcg cancctgaat 480

ggcgaatggg acgcnccctn tnttggggca ttaaccccnc gggtt 525

<210> 17668
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-009-Q1-E1-E10

<400> 17668

aatgatctgt ctgccctgcc cgtccggana tcanaaggtc gacccacgcc gtccgtacga 60

nctgnaaaga agacgacaga agggtacggc tgcgagaaga cgacagaagg gtacggctgc 120

gagaagacga cagaagggta cggctgcgag aagacgacag aagggtacgg ctgcgagaag 180

acgacagaag ggtacggctg gcgagaagac gacagaaggg tacggctgcn anaagacnac 240

agaagggtac ggctgcgaga agacnacaga agggtacggc tgcganaaga cgacagaagg 300

gtacggctgc gataagacga cataanggta cggctgcgag aagacgacag aanggtacgg 360

ctgcgagaag acgacanaag ggtacggctg cganaagacg acanaagggt acggctgcga 420

naagacgaca gaanggtacg gctgcnagaa nacnacagaa aggtacggct gcnagaagac 480

gacagaangg tacngctgcc aaaacacgac ataa 514

<210> 17669
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-007-Q1-E1-F12

<400> 17669

agaaggggac aacgaaggca tcttcttcat caattgatct actctgctct gctcaagatc 60

agaaatcgtc ggtttagttc tccggttaaa agtttcgtct ccgcgggaat tggaacttca 120

atggagggat taaagctctc agaagcggaa ttgatgattt ttattcatcc ttcccagagc 180

agaaacgttt ttcaaggaat ttgtcgcgag ctcagttctc ttctattcca gtataatgaa 240

acctttgatg gagttctatt ggcttatgat gctactgtga aaagcaaaca agctaaaatc 300

cttacaggac ttcatcctta ctttggcgtc agagttaaca ctagactact cttatttgat 360

tctaagccca agagttttgt aaagggaaaa ttgtgaagat tctccaaagt caatccatgt 420

taat 424

<210> 17670
<211> 512
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-007-Q1-E1-G1

<400> 17670

ctggtccttc ggntgcccgg tccggacaaa acgggtcgac cacgcgtccg cccaancntc 60

cgtacggctg cgagaagacg acaaaaggaa tcagaaatga aatctcgccc agctaagagt 120

ggtaaaacca ttgagcttga tgatgtcaca tttcaccagt gtgtgaacct gaccagattc 180

aactccgaga agactgttag ttttgtacca ccggatggag agtttgaact gatgaagtat 240

cgaataacag agggtgtaaa tctgcctttc cgtgtattac caacaatcaa agaacttggt 300

cgtacacgta tggaagtaaa tgtcaaggtc aaaagtgtgt ttggtgctaa aatgtttgcc 360

cttggggtcg tggttaaaat tccagtgcca aaacaaacaa gccaagaaca atttccaagt 420

gacaactggt cgcgctaaat acaatccatc aatcnaatgc cttggnttgg aagataagaa 480

aattcccaag gcaaacagag tccaagctaa at 512

<210> 17671
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-007-Q1-E1-G10

<400> 17671

agacgacaga agggggtgtc cagagattta attaaattgt tgaatagtgg aagatctcaa 60

actgagaact tctttcccta ttctgtttag tcggacagga cctgcgagga agatttacag 120

gtgcaattga ggcattcacc agacgaaatg tttcaagcca aggcgctctt ggtgatcgct 180

ctagacacag atcttctgat gatataccct cttctgccaa ggaagtgcac gagtctcgaa 240

atggaagtac ctcaaagaga ggtgtgatat caagcaccag acctggctca tcagctgaac 300

caagcgagaa ccactcaagc cgactatttt caaagtggtt cacgtcatgc cacaacccaa 360

cgggttccac agagctatga atccgcaact gcaacaaagg ctgggcaata aggatncaat 420

aagaaacttc anctccc 437

<210> 17672
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-007-Q1-E1-F10

<400> 17672

agagaaagta aagagaaaaa ccctaatctt catcttcatc ttctcccgcc gtcggccgta 60

agaggtttcg aagaagcaaa gtgagcaaca atggcgggag gcaagatcag gaaggagaag 120

cccaaggctt cgaatagagc accatcgaac cattaccaag gaggaatatc gttccacaaa 180

tcgaaagggc aacatatcct taagaaccct ctgcttgtgg attcgatcgt tcagaaagct 240

ggtatcaaga gtaccgatgt gattctcgan atcggtcccg gtactggnaa cttgancacg 300

aagcttctaa aagctggcaa aagaagttat cgccgtcaaa ctgacctcgt atggttccca 360

acntcaacgc gttttcaang gactcccntc tctaaccgcc 400

<210> 17673
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-007-Q1-E1-G2

<400> 17673

cccgtccgta cggctganga gaagacgaca gaaggggtat aggagaagca tttggaggaa 60

agattgtgcg gccaccattt ggtgttatgc atgggaaaag ctcaatggtt cactatgatg 120

agaaaggaga agaaggcttg ttctctggat tatcaaaccc tttcattgta ggtagatatc 180

acagtctcgt gatcgaaaaa gatacatttc ctagtgatga actcgaggtt acagcatgga 240

cagaagatgg tctggtaatg gctgcccgtc acagaaagtn caagcatata tanggagtcc 300

aatttcatcc cggagagtat tataacaact gagggcaaga caattgtccg caantttcat 360

caaaattant nnangaaaaa gggatcccaa aaaactgaca tanacctanc cctgaattgn 420

gaaaatcaac cggtnttcna anaatggccn cccggtaana anaatttgcc aaatgcaaaa 480

<210> 17674
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-007-Q1-E1-G3

<400> 17674

tggtcttcgg cncccggtcc gganaaaacg ggtcgaccca cgcgtccgta canctgcgag 60

aagacgacag aagggtctgt tctctcagtc tgtctttcaa cacaatcctc cttgtaccaa 120

atcccagaga gtctcggtgc agcagcaagt acaagagttg caaacgagtt aggagctgga 180

aacccgaaac aagctcgaat ggcggtttac acagcgatgg ttataacagg tgtagaatca 240

ataatggtgg gtgcaatagt ctttggtgca agaaatgtat ttggttacct attcagttct 300

gaaactgaag ttgtagacta tgtaaaatca atggctccac tgctttcttt atcggtcata 360

ttcgatgccc ttcacgcagc tctctcgggt gtggctagaa gatnanggaa gcaagatatt 420

ggggcatacg ttaanctaac aacatactaa ccccttggg ataccaactg ctatactatt 480

ancntttggg tttaaatgaa aggaa 505

<210> 17675
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-007-Q1-E1-G6

<400> 17675

cacggtcaaa tgatcccggg tcgacccacg cgtccgtaca actgcgagaa gacgacagaa 60

gggggggggtc gcagtgacca ggcccgggcg actgtttacc aaaaacacag gtctccgcaa 120

agtcgtaaga ccatgtatgg gggctgacgc ctgcccagtg ccggaaggtt aaggaagttg 180

gtgacctgat gacaggggag ccggcgaccg aagccccggt gaacggcggc cgtaactata 240

acggtcctaa ggtagcgaaa ttccttgtcg ggtaagttcc gacccgcacg aaaggcgtaa 300

cgatctgggc actgtctcgg agaagaggct cgatgaaata gacanatctt ctgcaatanc 360

gaaagagaat tgtgcgctgc gatgcctttc tccggtttgc tatcaanctc attttatgag 420

agtnattcnn cttgaanaaa nggtgaaaaa catttgattt an 462

<210> 17676
<211> 481
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-007-Q1-E1-G9

<400> 17676

tncccgtccg gaatatcaag ggtcgaccca cncgtccgna gaagacagaa ccaaagagac 60

aaggaggcat gtttgtgaag atcaacatgt atggtgttcc cattggtcgt aaagttgatc 120

tcagtgctca taatagctat gancagttat ctttcacagt tgacaagctc ttcagaggtc 180

ttcttgcagc tcaaagagac tttccatcat ccatanaana tgaaanacca atcactggat 240

tattagatgg gaatggagaa tatactctta catatgaaga caatgaagga nacaagatgc 300

ttgtangaga tgttccatgg caaatgtttg tgtcttcggt gaagaggctg cgtgtgatta 360

aaacttctga gatttcttca gcattaacat atggaaatgg taagcatgag aaaatgagaa 420

gatgaagaan aagatcttta cagcttttan agaantagag agatgttact aantgcattt 480

t 481

<210> 17677
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-007-Q1-E1-H10

<400> 17677

gctgcgagaa cgacagaagg gggaagagat ttgcagcaac agagcgttat aaaaaggcga 60

agcaagaggg aagacaacag ataacaaatt gtgaagaatg ggaagcgaag gaagatcgat 120

tgcgaggaag ccaaggtttt tgtgtctcca tggatttcgt acgagcggag agataatgaa 180

gatacagctt cataaatggc ctaaatctgt aattgataga ctcgatctcg tgtttctcga 240

tgcacctttt ccttgtcaag gcaaatctga tgtcgaaggc atctttgatc ctccttatta 300

cnagtggttt caattcaaca aggaattcac cgagtatacg gtttcgaaaa atgtttggag 360

tactggggga tnntangata acctngccct ttcnagggcc cattgggttt tcccaggggn 420

cattttccg gggg 434

<210> 17678
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-007-Q1-E1-H11

<400> 17678

cggattcttc gtcaaaaggg cactgaatat ccaggaacag gggaatatgt caacttcgac 60

aaggaaggag tttacggttg tgtaggatgc aatgctcctc tttataaatc caccacaaag 120

ttcaacgctg gttgtggctg gccagctttc tttgaaggaa tccccggtgc cattacccga 180

acgacagacc cagatgggag aagaatagag atcaactgtg caacatgtgg tggacatctt 240

ggtcatgttt tcaaaggaga aggtttcgct actccaaccg atgaacgcca ttgcgtgaac 300

agcgtttcgc ttaagttcac acccgcagcg tcttccttgt aaatcttggc cgaacaagat 360

tanttgtctt ctctggattt tttcactcaa gtgagtggga gaaaaacaga ac 412

<210> 17679
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-007-Q1-E1-H3

<400> 17679

gcgtccgtac ggctgcgaga agacgacaga aggggaaga agagaagaag aagaacctta 60

caattgcttt tgtaaatatt gtaggtagtt taaggacgtc actacctaca tacatggatt 120

tatgtggagc tcagatgctg cgcctctcat cgcctcattt caaaaccctt catttggtga 180

ggcatgcaca aggagtccac aatatagcat tagaagagaa gggagagaaa cctgaatcag 240

aaaagctttt tgacgcccac ctttctccaa agggtttgca acaggtttcg gaaaggcgca 300

accaaatcct tgaatcagga ttacttaaca ctgtcgagtt agtgataacc tctccgctgt 360

gcagagcaat gggaaacttc aataggaata ttangggaca aggtatgtta atatatccga 420

agactttgca aaactaacaa cttcctccaa ttgt 454

<210> 17680
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-007-Q1-E1-H4

<400> 17680

cgccncccta tggtcacaan accgtcgncc cncgcgtccg tacaacnncg agaagacgac 60

agaaggggag ggtcaaaatt ttaacaaaaa ggaggggaaa tttgtgtctg aaaaatgtgg 120

tgtgcttgct atcatcagcc attacctgcc agttccgtcg tgttgaatca gcaggcgaag 180

caagaagaga gtctgagaag aaaacaagtg ttcttcttct tatcctcatc atctccttca 240

agcttaagca ccaaacatca atggcaaatc agtaattatc ctaaaaatgg gttcagacta 300

aaaccaaaag cgagtgtgtt gcctccttct gagtctggtg atatcactac attcctcttt 360

gttantggag caatgatccc atgtatttgg taacaatttc cggttcaatc gttgctttca 420

agtctcccaa ggtgaanaan aggaagaaga ggaagactcc gattaaacta tgaactatta 480

aacganttct t 491

<210> 17681
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-007-Q1-E1-H7

<400> 17681

gtgaccaggc ccgggcgact gtttaccaaa aacacaggtc tccgcaaagt cgtaagacca 60

tgtatggggg ctgacgcctg cccagtgccg gaaggttaag gaagttggtg acctgatgac 120

aggggagccg gcgaccgaag ccccggtgaa cggcggccgt aacgataacg gtcctaaggt 180

agcgaaattc cttgtcgggt aagttccgac cagcacgaaa ggcgtaacga tctgggcact 240

gtctcggaga gaggctcaag ccaccatggt cgctccattc ancggcttga agtcatccgc 300

tgcattcccg ggtcacccgc aagaccaaca angacatcac ttccaagctt caccgaagnc 360

ttaatttcct ttccaaaaca tttcttatga attaaccccn gcccatttca attccaattg 420

tcgg 424

<210> 17682
<211> 512
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-007-Q1-E1-H8

<400> 17682

aagacgacag aaggggaagc caaagacaaa tttaaacctc cgatttcaac cttctcggcn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn tttgcatgtg ttgcgattca catctcgtag 120

cgaaatcgat tctaaatcca tggaattctc ctaggataat gaagctaggt ttcgtaccag 180

tcgttcgccg ttttccagct actactaccg tcaaggcttc ggcggtggat tcaacctgag 240

agttcctcaa atttcgccaa agcgttatgg gattcgagcc ttgggattaa tcctccacaa 300

gcaaaccaaa gtccctggtt gggatggttc aatcggtngc aaatttcaaa aanggggtca 360

tgttgggnaa ttgccaaaat tgggttgttn ccggggttac aanggaattc cnttcaatcc 420

ctttgggggn gaataaacaa tggccttttg gcccaaaggt ttcccctcca aaaggggaaa 480

taacnttcca agggttggtt aaancccggc cc 512

<210> 17683
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-008-Q1-E1-A10

<400> 17683

agaaggggag gttaggtttg tcttcaaaat cgtcagaaga agaagaagaa gtcaaagacg 60

ataacaatga cgtcatcatc gtacctccga tttgcgatcg ccgtcgtagc tttcctctca 120

atcaccacca tcaccaccgc acgtccttgc aaaaccttcc taatctcctc atattccctc 180

tcaataaccc cagaaaaccc taacctcgaa tccgatttca cctccacacg attcgtcacc 240

gttttcacaa tccgtcgtct aaatcctcac cacgtggtgc cttttcttcg tcaatcgtcg 300

tcacgagaag ccacagatnc aatcggatcg ttccctccct ttgatcctga taacatcaat 360

tcgtttanag atngaaccaa gagatattcc taacgtctcg tcgcgccttt gttcngtgtt 420

<210> 17684
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-007-Q1-E1-D2

<400> 17684

aatgttccct tggcgccccg gtccggannn accgggtcga ccncgccttc cgtacaaana 60

gcgagaagac gacagaaggg tacggctgcg agaagacgac agaagggtac ggctgcgaga 120

agacgacaga agggtacggc tgcgagaaga cnacagaagg gtacggctgc gagaagacga 180

cagaagggta cggctgcgag aagacgacag aagggtacgg ctgcgagaag acgacagaag 240

ggtacggctg cgagagacga cagaagggta cggctgcgag aagacgacag aagggaggag 300

gacggtacca aggagganga ggacgatacc aaggaagcng tgggccacaa ggaagaaggg 360

gaagtggggg aagttactgc cgccacngct gctgctacag angttacaac ngctgctcaa 420

gatgctgctc gtatgccgga naaactgttc aaactcaacc cggtcactaa aacaatatat 480

taaccaatca caacatgcat gt 502

<210> 17685
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-007-Q1-E1-D3

<400> 17685

tcaatttgga aaaggaagca gagaggaaat ttgcattgaa ccttttgggt ccatatcaga 60

atatcagaca ggcagtcagc gtttatgacg atttatctca tggtattgac agaactgccg 120

aattaacggc tggacgcttt ggtggtatcg atgctttagc acaggagtat ggacaaggta 180

tggctaagca agggatggat gtattacttt ccacattatc aaagctattc aatctgttgg 240

gagacatctc ataaaggcca aattgttggg gttancgtcc cttgatgaga agattaaacc 300

aagaatcaga aaaatctttt gaactttggg gtcttcccgt tcaatctgca cgcctcaatg 360

gtggnaaatt tggaggggaa ntcccaagtt caagccatta acccctgaag gttaanacc 419

<210> 17686
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-007-Q1-E1-D5

<400> 17686

gcccacgcgt ccgtacggct gcgagaagac gacagaaggg tacggctgcg agaagacgac 60

agaagggtac ggctgcgaga agacgacaga agggtacggc tgcgagaaga cgacagaagg 120

gtacggctgc gagaagacga cagaagggta cggctgcgag aagacgacag aagggtacgg 180

ctgcgagaag acgacagaag ggtatgagag aagtccgaat cttctgaagc tagcgaagga 240

aagagcagtg tttagctttg gggacaaggc ttagatccaa gtacaagatc acttacaatt 300

tttacaagaa gtgtttccct aaaccgttna aggctcaaat atccttcaat ccctaaaaag 360

aattggtggt tttaatncca aanaanaaaa gggccaaaat nccaaaggaa aanannaaaa 420

gggttgtttt gggnccccca aaccaattgn agnaaacctt aatttggggg aaaaaaaaat 480

tgttttaan 489

<210> 17687
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-007-Q1-E1-D7

<400> 17687

gcgtccggag aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg 60

cgagaagacg acagaagggt acggctgcga gaagacgaca gaagggtacg gctgcgagaa 120

gacgacagaa ggggacatct gagagctttt ttcgtttctt gtgagatcat ctaaaaaatg 180

gcttcgactg cttcgctttc tttactcagc ggcggcagtg gagctcttca ggcgcgttgc 240

gcaagaaccg cgcatgttag cccacgagcg gcgcattcta acaaacccgc gctttcttcg 300

ttctcgctga ccggcgcctc tcgcangaat ctgttatttt cgttgacngc atcnacggta 360

gttgacggga cttcagcctg catcnaatgg ccggagaata ttcccttaat ttggataaga 420

aagaaactga 430

<210> 17688
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-007-Q1-E1-D11

<400> 17688

tttggntctg ccggtccgga catcaagggt cgacccacgc gtccgcggan gcgtgggaga 60

cgacagaagg gatcccgggg tatatacctt tacttgtgaa catccttcca ggaccgatga 120

ttccccaaat gatcgacgcg ttgtagaaca ctacatcccc agggcaagtc cacggactac 180

tctttgggag catatctgtg ttacagatgt tctcgactga agaaagcaac caccatgtgg 240

tcccgaggga gacagttgaa gcaacaatag tcgcaacgag ttgaacgatg aacatagatc 300

tcggaggaat cttcatgtag tggccaagtt tgaagtctcc gacaaagtac aaggcttgag 360

ctatactcac agaaccataa gtcctaaaag ccacattggc aantggcttt cccgggtaca 420

agaanccgat gatnaattcc gatataacat taagaccaat cgctgggttg tggccnctag 480

gataacc 487

<210> 17689
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-007-Q1-E1-D8

<400> 17689

actggtttcn tcggcggtct accgcgtcca aacatcccgg gtcgacccac gcgtccgtac 60

agctgcgaga agacgacaga agggtacggc tgcgagaaga cgacagaagg gtacggctgc 120

gagaagacga cagaagggta cggctgcgag aagacgacag aagggtacgg ctgcgagaag 180

acgacagaag ggtacggctg cgagaagacg acagaaggga acttggcaac tcacttggcg 240

gatccacggc acaacaacat tggcgatatt gttatccctt tcaactaatg aatgtaaaaa 300

tagaaatatg tgtaccttat gagctttatg tgtatcaaaa acactgtgta atgaaagaca 360

gatttgtgaa aaaaaanatn nngcncnana nnanaaaagc ggc 403

<210> 17690
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-007-Q1-E1-E1

<400> 17690

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gaagacgaca gaagggtacg gctgcgagaa gacgaccgaa gggtacggct cgagaagacg 120

acagaagggt acggctgcga gaagacgaca gaagggtacg gctgccaaga agacgacaga 180

angttacggc tgcgagaaga cnacagaagg ttacngctgc nagaagacga cagaagggga 240

nagaagataa tgaactccnt gggggtttca attggaactt gttcctcctc caaattgaga 300

aaangaaaat tccaatttcc ttgttnaata aatancctta aacaaaancc aaaaggctat 360

ttaaccttta gaaaacaaac ccaaaaaant ttcttccgna tccccgaatt 410

<210> 17691
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-007-Q1-E1-E10

<400> 17691

gcgtccgccc aancgtccgt acggctgcga gaagacgaca gaaggggaca acaaacacaa 60

aaatcaaaag gggtcattta ctatctttta agagacgaca tatatagttc tcgaccaaga 120

aaagaaaagg gggtgacctg agttcttcaa cacataacat aatggccgga gttttcaaaa 180

cggttacgtt tcttgttttg gttttcgctg ccgttgttgt cttcgcggag gactacgatg 240

ttggtgatga tacggaatgg acgagaccta tggaccccga gttctatact acttgggcta 300

ccggtaaaac tttccgtgta ggcgacgaac tcnaatttga tttcnctgct gggaagcatg 360

atgttgcaat tgtatcaaaa anctgcantt ngaaaactgt gagaaaagag aaanccaata 420

accacangac cgttcctccg gtccaaaatt atgcca 456

<210> 17692
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-007-Q1-E1-E11

<400> 17692

ggtccggaca tcangggtcg acccacgcgt ccgcccaagc gtccgcccac gcgtccgctg 60

cgagaagacg acagaagggg gaagttgcag agaatctagc gagaccaatg gctactctgg 120

tctcgtctca aacttacatc taccattgtc atattagtaa acaagctctt tatcaggcaa 180

aagaatcata ctctcatcgt agaatttccc gtcataatca cagagaaaga ctcgattttt 240

ctcatagaaa ccatagattg acaataacta gaaagcagca acctttgtct ttcaacaccg 300

tgtgttttgc cgcagacgag ccctccgaaa tcagtgctga tgctagaatc cgtagtgagg 360

ttctgtctcc gttcagatna gtccgtatgt tcttctacct cgcctttata gcaagcggtt 420

cattaggagg actaatagcc acttctaagn tcatangtgc ctggcgaatc c 471

<210> 17693
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-007-Q1-E1-E3

<400> 17693

aacactttag cacggtgcga caagatggcg agctcagtga cgctgcttct atggagtctt 60

cttcttctcg gtacactaag cgctattcag gccaaaaagt ctaaggaaaa cttaaaggag 120

atcacacaca aggtttattt tgatgttgaa attgatggga aagcagctgg tcgtattgtc 180

atgggtctat ttggcaagac agtccccaaa actgtagaga atttccgagc tttatgcact 240

ggggagaaag gaatangtaa gaatgggaag gcgctccatt acaaggggag ttcatttcat 300

aggatnatac caagctttat gctccaagga ggcganttta cacatggaaa ttggaatggg 360

aggagaaacc aacctatggt gaaaaatttt gctgatgaga acntcaaact caagcatact 420

ggg 423

<210> 17694
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-007-Q1-E1-E4

<400> 17694

gacagaaggg tacggctgcg agaagacgac agaaagggta cggctgcgag aagacgacag 60

aaagggtacg gctgcgagaa gacgacagaa ggggtacggc tgcgagaaga cgacagaagg 120

gtacggctgc gagaagacga cagaanggta cggctgcgag aagacgacag aagggtacgg 180

ctgcgagaag acgacagaan ggtacggctg cgagaagacg acagaagggg acaacaaaca 240

caaaaatcaa aaggggtcat ttactatctt ttaagagacg acatatataa ttctcgacca 300

agaaaagaaa agggggtgac cttagttctt caacacataa cataatggcc cggagttttc 360

aaaaccggtt acgtttcctt gttttggttt tcgctgccct ttgttgtcct tcncggangg 420

actacaattt tggtgattaa taccgn 446

<210> 17695
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-007-Q1-E1-E6

<400> 17695

agaaggggac tctcagacat tttgtcaaac agatggtgct cgtttctgaa tcagcttaag 60

aactaacaag gagacagaca ctaagcttgg tttttctctc cgattagacg gaggaaaaag 120

tgaaaacgag gggcttagac gagtnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnttcag atacgccttt gcctcaacag 300

aacagagcct ttagtttgtc gcgtgagatt ttgaatgcta ctccaaggga aggctgataa 360

caaaagactc gctcatgccc taaaaaagga cttcgattca gcctacggcc cggaatgcac 420

tgcattgttg gnacaag 437

<210> 17696
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-007-Q1-E1-E7

<400> 17696

ggctgcgaga agacgacaga agggtacggc tgcnagaaga cgacagaagg atacggctgc 60

nagaagacna cagaagggga tattgtcnag tccgaacatc tcgtaactct ccttgcagtt 120

gttccgaagt attcccaaan agactggcta gcatgttatg agactttgac cgattatgtg 180

gttcctaggt cctcgaagaa attgtttgag gataatgagt atgcccttta caccgtcact 240

ctctttactc gtgtcgcana taatttcagg attgctgctc gtganaaagg attccaagtc 300

cgttgatttt gancaaagtg ttgaancaca agtnaccctt aaacaangag ctagcaaaan 360

ttggttcang atnaaggaan gtttnanaac ctccctttgc nattggtcta cacnagttat 420

ggtaaggtt 429

<210> 17697
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-007-Q1-E1-E9

<400> 17697

tgtccgttgn tcgccgtccg gagntcaagg gtcgacccac ncgtccgccc aancgtccgt 60

acggctgcga gaagacgaca gaaggggga aagagtgttt ctcccaatcg atcccggtgt 120

tgttcttctc gacattgctt tcgtccccga cgaacctagc cgagggtttt tacttggaac 180

gagacagact ttgttagaga ctaaagatgg tggaagcact tggaatccac gttcgattcc 240

ttcagctgaa gaagaagatt tcaattatag attcaattcg attagcttta aaggcaaaga 300

aggatggatt attggcaaac ctgcgatttt attgtacact gctgatgctg gagagaattg 360

ggataggatt cctctaagtt ctcagcttcc tggagatatg gtgtttataa aagcgacaga 420

agataagagt gcagagatgg ttactgatga aggtgctaat tatgttacct caaacagggg 480

atataactgg g 491

<210> 17698
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-007-Q1-E1-F1

<400> 17698

actggtcttc tggcccccg gtccgggana aaccgggtcg acccacgcgt ccgcccaagc 60

ntccgtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg acagaagggt 120

acggctgcga gaagacgaca gaagggtacg gctgcgagaa gacgacagaa gggtacggct 180

gcgagaagac gacagaaggg tacggctgcg agaagacgac agaaggggag aaaccaaata 240

aaaaagggga aacttgtttt cggtnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngcggcc 300

gctctagagg atccaagctt acgtacgcgt gcatgcgacg tcatanctct tctatagtgt 360

cacctaaatt caattcactg ggcgtccntt taaaacgtct tactgggaaa ancctggcgt 420

taccaactta tcgcccttgc acaaatcccc ttccgcanct ggcnttatac caaaaggccc 480

cacgttgcct tccaaaattc n 501

<210> 17699
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-006-Q1-E1-E9

<400> 17699

gcgtccgtac ggctgcgaga agacgacaga aggggaatga cgataatgtc agatcttcca 60

cgggatttgt tagcggagat tctcagtagg gttccgttga catctctaag agcagtgcga 120

ttgacttgca aaaagtggaa cgatttatcc aaagatcgga gctttctcaa gaagcaaatc 180

gtcgaaacaa agaagaagca attggaatcg aaggagattg aggtgatcat gatgaggaat 240

tttagggttt atctaacaag catcgatatc cacaacaatg ttgatccatc atttacgcct 300

aaaggtacac ttattagctt aagcgatgat gcaaaccatc atcaagtcga taatgtatct 360

anagtctttc actgcgatgg tttactatta tgcatcacca aagacctcca ctataggctt 420

gtggtttgga acccttattt tgggcaa 447

<210> 17700
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-006-Q1-E1-F11

<400> 17700

aagacgacag aagggcacgg caaaagaatc ctggggatac accatttaaa tttctttttg 60

acgagaactg tgcggactac aagtactatg tattcaggct ggctgaagag gaaaaattaa 120

tttcacaaac caaggattct ggtgtacttc acagtggtga tgcaggctcg cgaacgtcca 180

cagcagcaat ccctttgcaa aagccagctt atcaacaaac aggatatcag atccctgcct 240

cagctctcta tgatactcct gtggaacctg gagcttcttc tagatctgct caggcatcaa 300

ttacaagacc cagcgacagt gactccttta gtgggccgag gggtgcagac cctctatcaa 360

tgatggagtt ttacatgaag aaggctgccc aagaagagaa aatgagacgt cctaggca 418

<210> 17701
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-006-Q1-E1-E10

<400> 17701

gcgtccgtac agctgcgnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnttagcgcc gtccatggcg ggtcttcaga 120

gatccaccat ctctttccgt cgacagggct cttcgggtat agtctgggac gatcgtctca 180

tcgccgagct aagccaacaa gcggccaacg accggaaagg cgagactcta caacaggacg 240

aacaggccaa gctgattacg tcggaagtac aggatcagac aaccaaacct atcgccggag 300

aaggactcaa acctatcaga actgacggag gtatggagag gagtcgattc aacggaggag 360

gagccatccg ccancatcga aacacaggga gagtgtctcc ggcggtggac cccgccgtcg 420

ccgagactgt cggcgtttgg gtgctgctct g 451

<210> 17702
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-006-Q1-E1-F9

<400> 17702

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acgcgtgggc tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggta 120

cggctgcgag aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg 180

cgagaagacg acagaagggt acggctgcga gaagacgaca gaagggtacg gctgcgagaa 240

gacgacagaa gggtacggct gcgagaagac gacagaaggg tacggctgcg agaagacgac 300

agaagggtac ggctgcgaga agacgacaga agggtacggc tgcgagaaga cgacagaagg 360

gtacggctgc gagaagacga cagaagggta cggctgccaa agacgacaga agggtacggc 420

tgcgagaaga cgacagaagg gtacngctgc ganaagacga cagaaggat 469

<210> 17703
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-006-Q1-E1-G10

<400> 17703

agaaggggga gactttcgtg tgcttatcca aagacgacga gaggagtccc aagaagtcta 60

gcggtatcaa tcaaatctct tcttacttga ggagattcct tggaaccatc aagaggaagc 120

attatggctg gggaacttat ttcgtttggt atacaaaacc tgtggaacct actgagtcaa 180

gaatgcgagc tatttcaggg agtcgaagat caagtaactg aactaaaaag ggatctaaac 240

ttgttaagct cttttctgaa agatgcagat gcaaagaaac atacaagtgc ggtggtgaaa 300

aactgtgttg aagagatcaa ggaaattatc tacgatggag aggatacaat cgaaacattt 360

gttcttgagc aaaacctggg aaaaacaagt ggtatcaaga agagtatcag aagacttgct 420

tgcat 425

<210> 17704
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-006-Q1-E1-G11

<400> 17704

agacgacaga agggggaata acagagacaa ttggttatat tagctgtcac tcccatcttt 60

catattcctt caccatctct ctctctctcg atcttgtgaa ccactacaca cactaacaca 120

atgagagaga tccttcacat tcaaggtggt caatgcggta accagattgg ttccaagttc 180

tgggaagtca tctgcgacga gcacggcatc gattccaccg gacgttacag tggagacact 240

gcagatctcc agcttgaacg tatcaatgtc tattacaatg aagcttcagg tggaagatac 300

gttcctcgtg ctgttcttat gggtcttgag cctggtacta tggatagtat cagatccgga 360

ccgtttggtc agatctccgt cctgataact ttgtcnttgg tcag 404

<210> 17705
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-006-Q1-E1-G12

<400> 17705

tttctgaaat taagtgaatc tgaaggtgaa agcaaagccg gaggaagaaa taagaatcac 60

agaggtaaaa ttgtgatgga gctcgaagat ccaacaatgg cagattccac gattaagcta 120

acagtcaaat tcggaggcaa atcaatacca ctttcggtat caccagattg tacagtcaaa 180

gatcttaagt ctcagttaca accaatcacc aacgttcttc ctcgtggcca gaagctcatc 240

ttcaaaggtt ttggttgaaa cgtcgacttt gaaacaatct gatgtgggaa gtggagctaa 300

actcatgtta atggcttctc aaggtctgca tcaaggggaa ggtccaatac ttaaggaagc 360

tagtataang ccaatctcta naactgttgt atctgataaa gtagatnaga gaaagcctag 420

<210> 17706
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-007-Q1-E1-A11

<400> 17706

ccggaatanc atatctgggc ccggcccntn ngcccaaacg aaaagtacng ntgcgagaag 60

acgacagaag ggtacggctg cgagaagacg acagaagggg aagtcaaagg aagtgaaacc 120

ttcttcctct ttcttgaatc catcaaagaa tgctacgaag ctcttgtcat tgccaaattc 180

ttggcattga tgtatagtta tctaaacata tctatgagca aaaacatttt gcctgatgga 240

atcaaaggaa gagagattca ccattctttc ccaatgactc tttttcagcc tcatgtagtc 300

cgtttggatc gtcacactct taaacttttg aaatactgga catggcaatt tgtggtcatt 360

cgacccgtgt gctccacttt gatgatagtt tacagctcat cgggttttat ccttcatggg 420

tgaactggac attcactatc attggcaaat tctcggttct ctgggcctgt aat 473

<210> 17707
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-007-Q1-E1-A4

<400> 17707

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ttgaggaaac ctaagtgtaa gtancttcct gaaagatttc tgggactaat accactttag 120

gatatgggaa agcaatgctc acgggagtgt ttcttcaatc agtacaacca atctgactat 180

tgattctcaa ggatgtggtt ccagctctaa tgaacctgct gaatttgtta accatggtct 240

tgtgctatgg gaatcaaact cggcagcaat gggtgggaag ataaaagatc cgagagccgt 300

aaaagcgttg ggtcgaagaa cccgattcta aatgagaatg tgacntatga gaagtctact 360

tggggagcaa caagcgantt ccganggcct anacctcctt gatgaaatgg tngcantttc 420

ctggttgaat tttggggaag naaaaaggc 449

<210> 17708
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-007-Q1-E1-B10

<400> 17708

gaagggggac atggtggaat gtataaccgt tatgatggaa tttcattacc gtgggatgaa 60

cacgccgtga cttcttgtac cggaggactg ggtaaccgaa gcacagggga taatttcaat 120

ggagttccaa atgttgatca cactcagcat tttgttagga aagatataat tggatggctt 180

cgttggttac gcaacaccgt cgggtttcaa gatttccgtt ttgactttgc taggggttat 240

tcagcaaact atgtgaagga atacattggc gcagcgaaac cattattcnc ggttggagaa 300

tgttgggatt cctgcaatta caatggccat ggtctagact ataatcaaga tagccataga 360

cagcgtataa tcantggatc gatgcgacgg gacaaatntc tgctgc 406

<210> 17709

<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-007-Q1-E1-B2

<400> 17709

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acgacagaag ggtacggctg cgagaagacg acagaagggg gattgaggtt tttctcttcc 120

cctgaatcgc tgtgctcgtt gtgagagagt gagagatgtg tcctcgagct actcaaacat 180

gcgaaatctg cgagaaggtt gtatccaaat acaagtgtcc ttcttgtctt gttccttact 240

gctcattggg ttgtttcaag atacacaaag agactccatg tgctaaaccg tctgatcctt 300

cttcaaccga agaaaagcca gcttctccag caaaggaagt cccggtgaaa agacctgagg 360

aagctaatga tgttgtagag aagacacagc aaaaggctaa tgctgcatct ccaacgaaag 420

gaaattccng tancaagaac gataaattgt anaaggaaag aaaagtatat tttagaaaaa 480

gacacagttc naggcaa 497

<210> 17710
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-007-Q1-E1-B3

<400> 17710

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ggtacggctg cgagaagacg acaagaaggg taanggctgc naaaagacga cagaagggga 120

caacaccgtt ttcnttgtca aaaaaagngg gaancacacn aaaaaaaaaa gcggccgctc 180

taaaggatnc aagcttacgt acgcgtgcat gcgacgtcat agctcttcta tagtgtcacc 240

taaattcaat tcactggccg tcgttttaca acgtcgtgac tgggaaaacc ctggcgttac 300

ccaacttaat cgccttgcag cacatccccc tttcgccagc tggcgtaata gcgaagaggc 360

ccgcaccgat ngccttccca acagttgcgc aacctgaatg gcgaatggga acccgccctg 420

taacgggggc attaaccccg gcgggttttg tgggttacnc gcaac 465

<210> 17711
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-007-Q1-E1-B5

<400> 17711

tcnaaacatc ccgggtcgac ccacgcgtcc gtacnagctg cgagaagacg agagaagggt 60

acggctgcga gaagacgaca gaaggggatt gagggagaag aatcacattg atagattcgc 120

cgccgatcta gagccgttga ttttcttaat cggaaaaaga aaatgagtgg aagcagaagg 180

aaggcgacgc cggcgagtag gacgcgagta gggaattacg agatgggacg aactctcgga 240

gaaggaagct tcactaaggt gaaatacgcc aagaacaccg tcaccggaga tcaagccgct 300

atcaaaatcc tcgaccgaga aaaggccttc cgtcacaaaa tggtcgaaca gcttaaaaga 360

gaaatatcta caatgaaact gattaaacat ccaaatgttg ttgaaatcat tgaggttatg 420

gcgagcaaaa cgaagattta tatccgttct tgaaccttgt caatggangt naactccttg 480

ataaaatccc nca 493

<210> 17712
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-007-Q1-E1-C5

<400> 17712

ggctgcgaga agacgacaga agggtacggc tgcgagaaga cgacagaagg gggtgtgcaa 60

aagccaaagc tttgatcttt cattaattct tctcaagatc ttcagagtct acaagggaag 120

atcaaagtaa ttaaataagc ggaagtaaga ggaagtgatg ttttctctta tgtctggact 180

atggagttac atgtttagca agactgagtt taatgtgctt attcttggta tcgacaaagc 240

tgggaagacg acatttttgg agaaactgaa gacgatatac tcaatctcgg aaggtcttcc 300

tcatgatcga attgttccta ctgtggggct taatattggc gcattgaatc tcaatgctaa 360

aattgtgttc tggatctggg agtcancctg gtttgcggcc aattgggaga atactatgaa 420

naaca 425

<210> 17713
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-007-Q1-E1-D10

<400> 17713

gcgtccgccc aagcgtccgt acggctgcga gaagacgaca gaaggggaat ctcggagaag 60

ggaggaaaaa tggcggccaa aaccctaatc aggtcaggag cttcgttgat gaatcggttt 120

ctaacgaagc cgacaacgaa tatcgtgcag aacaatctca gatcttcttt tcaatacata 180

gctcctcagg gacaagaaat cccgccgtat tttttcccgt cgttgtcgaa tctacagagc 240

tcactcattt cgcgccctaa cgacactgct tcgctccagg aactcaacga acgtggattt 300

ctttaccctt ctggtcttcc ttcactcgaa ttcttcttgc cagaagttga tccttcaagt 360

gagccattgc ttctgtttcc taagaggaca ttccaaccaa gcactataag gcgtaaacgg 420

naccatggat tctttgctcg gaaggnaaca a 451

<210> 17714
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-003-Q1-E1-H4

<400> 17714

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tgctgcgaag aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg 120

cgagaagacg acagaagggt acggctgcga gaaacgacag aagggtacgg ctgcgagaag 180

acgacagaag gggcacaaga ttcagctaca aggttctttg acttacctgc cgatgagaag 240

atgcatctgg tttctgataa ttttcaggag ccagtaaggt atggtaccan gcataaacca 300

ttcaacagac agagttcatt actggagaga tttcataaaa cattactccc atcctctctc 360

aaactggatc aatttgtggc cttccaatcc tccctgctac aaggaaaagg tggggaaata 420

cgcaaaagca acgcatgttt tacataagca actaatttaa nctatctcaa aaatctaagn 480

cnnggggaaa aattccttcc nggaagaatt taaa 514

<210> 17715
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-003-Q1-E1-H6

<400> 17715

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atttcacctc gatttattga ttagtcggaa gaattcggaa ccaattctga accagacctg 120

aaatttttcca atggggcgga agaagccgag tgctcgaggt ggagatgctg agcagcaacc 180

tcctgcgtca tctctcgttg gtgctactaa atctaagaag aaaggtgctc aaattgatga 240

cgatgagtac tcaataggta ctgagttgtc tgaggagtct aaagttgagg aagagaaggt 300

tgttgttatc actgggaaga agaagggtaa gaaaggtaat aagaanggta cgcaacaaga 360

tgatgatgat gatttttctg anaaaggttc c 391

<210> 17716
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-003-Q1-E1-G8

<400> 17716

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agttttcatt ttttctctaa aagtttggat tttgatttcg ttgctgaacg gaaaaagaat 120

cagctccttt cagtttaggg ttttgggttt ctgtttggtc tctatcagat gatgtgtgag 180

gagattcttc ctctgtttgt gtctgtttca gatggaagac aatgataagt ctccccctaa 240

ggattactat angattctag aagttgatta cgacgcaact gaggaattga tcagactcaa 300

ttatcggaag cttgcattga agtggcatcc tgataagcac aaaggcgata gtgcanctac 360

agaaaaattt caagagattt aatgaagctt ataatgtcct ggtggaccct gcnaaacgtt 420

ttggntatga atttca 436

<210> 17717
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-004-Q1-E1-B4

<400> 17717

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tggatacccg cagcaggctg gatatccagc tggaaccggt ggttatccgc cacctggtgc 120

atacccacaa cagggaggtt accctggata tccgcctcag caacagggtg gatacccggg 180

ttatccgcca cagggtccat atggttaccc gcaacaaggt tatccaccac agggtccata 240

cngttacccg caacagcaag ctcatggtaa accgcagaaa ccgaacaanc atggtaaggc 300

tggagctgga atgggactag gactgggctt ggagctggtt tattgggtgg gttgttggtt 360

ggttaagcgg tttctgacat cgctgatatg gggtgacatn gggtgacatg gggtnacatn 420

ggtnggnttc catttcngat tgcctgtgtt 450

<210> 17718
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-004-Q1-E1-B6

<400> 17718

gcgtccgtac ggctgcgaga agcgacagaa ggggaagaac gataaacaca gagctttctg 60

ttctttcgac atatcaaccg tttccttcct taatttgcgt tcgttgtgaa accatagatc 120

caggtgaatt ctggaaaaca tcttgaagcg aaatcgagac atcgttggag gatcaaaacg 180

ttaattcgat tgatcgatga atcctagaag ggagcctcgt ggtggtagaa gttctctctt 240

tgatggcatc gaagagggag gaattagagc tgctttttct tactctcatg agatcaatga 300

acatgggaat gagcgtgcct tggagggatt gcaagataga gtcattctct taaaacgact 360

atctggcgat ataaatgaan agtcgatact cataaccgca tgcttgacag aatgggcaat 420

gatatggatc atncanggga tttctctcan gaaccatgga ccgccttaaa acggngtt 478

<210> 17719
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-004-Q1-E1-B7

<400> 17719

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ggggtggtgg atccgcgttt gctaagtact gtcgaagagg gatgtcatca tctcgagagt 120

taccttcaga gaatcatcag atggaggcga atcgtggttt tgccagttac gtatttaaag 180

gggcagtctt ttacacgtca tacgccatga gtatgtaatt cgtagccggg aagaagatca 240

tcatgcttct gcttctggtt cccttggcga ggtaaaagaa agaaaatagt ttgtttttgg 300

attttatttt caaaacccac tagttggatc ttcatgtntc aacatgatca tcgtttcant 360

ccgtcgatga cttcncaagn caagagagaa tgaaacgaat caatccctaa tggg 414

<210> 17720
<211> 371
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-004-Q1-E1-D10

<400> 17720

tgacagtgtt cttgtatatc ttaagcccta gaatggcata tcacttttcg gaatgtgtgg 60

agagtcatgc atatgagact tatgataaat ttctcagggc cagtggagag gagttgacga 120

atatgcctgc accggatatc gcagtaaaat actatacggg aggtgacntg tacttatttg 180

atgagttcca aacatcaaga actcccaata ctccgaagac cagtaataga aaatctatac 240

gatgtgtttg tgaacataag agatgatgaa gcagaacact gcaagacaat gagagcttgt 300

cagacnctat gcagtctgcg ttctccacac tccattttan nagatgatga ngctgaagaa 360

gaaccanggg t 371

<210> 17721

<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-004-Q1-E1-D5

<400> 17721

agaaggggga attcatgatt cacaaaataa ccaaaccttc aatttataat cgtttccaat 60

cccaaaatca agccatggac gccaagaaca ccaaagctga tggagccaag aattttggta 120

cgagtggcgg aagcagtggt tctggtagca cttccgacat cggtaaaaca atggttgctc 180

ctggatctgg tggacgacaa agcgtttaga gggaggcttt tgagagcaac cctaagaagt 240

tctttgatga tcgtaacttc aaagagaaga aatgaaccgt ttaaatgaag agcaagttct 300

caaaaagtga tgatatatct tgtttcttat tttcgtcttt gttagtgatc ctcnaaaggc 360

tccactaatt cacacatatg gtgggagtga agtnaaatta ttatcaataa taagntaata 420

<210> 17722
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-004-Q1-E1-D7

<400> 17722

gcgtccgcga ngaagacgac agaaggggat ggagaagaaa ggtatccgtt caaacacgat 60

tgtgtataat acgttgatgg atgcttacaa caaatccaac cacatagaag aagtggaagg 120

tctttttact gaaatgagag ataaaggctt gaagccttcg gctgcaactt ataacattct 180

tatggatgct tatgctagaa ggatgcagcc tgatatcgtt gagacacttc tgcgggagat 240

ggagcgattt aggtttanag ccaaatgtga aatcgtacac gtgtttgatt agtgcgtatg 300

ggaggacgaa gaanatgagt gatatggctg ctgatgcttt cctgcggntg aanaaagtag 360

gtttgaaacc ttcttcacat tcntacacag gctcttaatc atgcttactc ggttancggg 420

gtggnactaa aaaacttatg cttccctttg aaan 454

<210> 17723
<211> 464
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-004-Q1-E1-E2

<400> 17723

gcgtccggaa gacgacagaa gggaaactca aaatccaacc acacacacaa tttctcttcc 60

tctctaccat taacatcgat cagaaagacc gagagagaga gggagaagct gattgattat 120

ggctgctgct tcgatttctg caataggatg taatcaaact ttgataggaa cttccttcta 180

tggaggatgg ggaagttcca tctccggaga agattaccaa accatgctct ccaagacagt 240

tgcgccaccg caacangcca nagtctcaag gaaagcaatc agagcagttc caatgatgaa 300

gaatgtcaat gaangcaaag gcttatttgc acctctangt tgttgtcaca cgcaacctan 360

tangcaagga ntaagtttaa tcagctcang nggaaaaagc cattgccctt acactcgcan 420

gtgattcact gagnttttgc aaaattccaa ttggnagccc aagg 464

<210> 17724
<211> 434
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-004-Q1-E1-E8

<400> 17724

gagagagaga gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnntgac ggctaaagaa acacagacat ggcagcgatt 120

aaggaatctg ttttcaacgt cgtcttcgtc ttcgtcttcg tcggcgaagt ggaagcgagt 180

tgagataata atgctgacag agatagtaga cggagtagtt tacaaggtca tgtatgtagt 240

tgaagctttc gttctcgttt ccacgctctg cttcttctac ctctgttgtg gatgccacat 300

ttgatccaat ttttgtttct ctcattatan tattctttcc aattcatact tcctctccta 360

tgggggttag tgttagtctc agttttatac aaataagctt aaaanttaac cnggatcatt 420

ccaaccctgg tntt 434

<210> 17725
<211> 418
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-004-Q1-E1-E9

<400> 17725

gcgtccgtac ggctgcgaga agacgacaga aggggactc ctcccagcgc ttcaatatct 60

cccaagaccc aaccatcgga gggaggggc gagatgatgg gattgagttc cttggtcttt 120

accgagtttc acancctcgg cttctctgac cttatagttt ttgttgcgcc actctggatt 180

gctgtggctg ccggtgtttt ggttggttgg gtttggaagc ccaagtgggc ttatctcgat 240

tctaaactct tgtccaattc acctaaattc ctcaatcttc agcttcccac ttccatcctc 300

aaaacttctt ctcaccacgt taaccccagc ctttcttcna aangagacaa ntgggtttgt 360

naanngacna tantttnggn anccagggag ttggttgggg taaaanatgg ggcccctt 418

<210> 17726
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-004-Q1-E1-F10

<400> 17726

gcgtccgtac ggctgcgaga agacgacaaa aggggcacaa caccatggaa gtttcactaa 60

gcaactgagg cattacattt ctgagttcga tcccaagata ttgcggagat gcgcaaaacc 120

aaggtcacat gaagcaaaaa gcctgataga aaagcagagt ttagctcttt ttggtcctga 180

ggaaagcagc aaagagagca ttgtgacatc gttttctaag cctgaagagg ttgcttcttg 240

aggctgtggc gtttggtacg tttctatggg acacagagga gtatgtagat ggcgcgttta 300

agctcaagga gaatgagaat gcagaggaag aaacaaatac antgtttgaa gtatgtatga 360

accagtttgc tanaagaaaa cttgaatanc ntttttggtg gacattgccn ata 413

<210> 17727
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-004-Q1-E1-F3

<400> 17727

gcccacgcgt ccgtatcact ctcgctttct tccattgttg gaccatgcga gagctgatga 60

acagttatcc gaatgggaaa gagtgtttct cccaatcgat cccggtgttg ttcttctcga 120

cattgctttc gtccccgacg aacctagccg agggttttta cttggaacga gacagacttt 180

gttagagact aaagatggtg gaagcacttg gaatccacgt tcgattcctt cagctgaaga 240

agaagatttc aattatagat tcaattcgat tanctttaaa ggcaaagaag gatggattat 300

tggcaaacct gcgattttan tgtacactgc tgatgctgga gagaattggg ataggattcn 360

tctaagttcg cagcttcctg ggagataatg gtgtttatan aagngacagg aagantnaga 420

gtgnangaga tggttactga tgaaggggc na 452

<210> 17728
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-004-Q1-E1-F4

<400> 17728

aagacgacag aaggggccct actcctaaca ccagtcaaaa atcatctcaa gatcagagcc 60

cagatcccaa accgacgaca ccaaccggga cgtcgtcgac aactcctgcc gaagatagta 120

gtacgacgtg gtcaccggta gatacatcaa tgatatacga aggagctttg gatcaaaaca 180

aaggatcacc gtccacgtgt catctttcgt tatgtggaat cacagtcaca cttgcgctgg 240

ccttttgtcg gatgtggcgg ctcttttgac acctaacttt gtctcccgcg taaaacactg 300

aagaatgtgg gccctcactg acgaaagcct tatctcgttc cggcccatgt gaaccggtta 360

ttcccgaacg actcngattg ggcanggttg anaaaaaaaa gtttacaagc acctacangt 420

tacgaaaaat atcctccatc aagntca 447

<210> 17729
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-003-Q1-E1-D7

<400> 17729

aagacgacag aaggggagat ttagaaaaaa aggaagctcc aagagatggc aagagttgtt 60

aaaatcgatt ctgcanagtc atggaatttc tatgtgagtc aagccaagaa tcanaattgt 120

cccattgtgg ctcatttcac tgcattatgg tgtattcctt ctgtgtttat gaactccttc 180

ttcgaagagc ttgcgtttaa ctataangat gctctgtttc taatagttga tgttgatgaa 240

gttaaggaag tggcaagtca actagaggta aaggcgatgc caactttctt gttcttgaag 300

gatggtaatg cgatggacaa actcgtgggc gcaaaccctg atgagattaa gaaacgggtc 360

gatggtttcg ttcagtcctc acgtgttgtt catantgcct aagagaaatt taaanattcc 420

aaca 424

<210> 17730
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-003-Q1-E1-D8

<400> 17730

tcgattgctc ttcttcgtag tcgcctttga attcgcagag tgagaagcaa tgaaggtgag 60

atcatctgtg aagaagatgt gtgagttttg taaaacagtg aaacgtcgtg gacgtgtgta 120

tgttatatgc tcttccaatc ctaagcacaa gcaaagacaa gggttcagtt cctttgctta 180

tgaaggaatt acaccttccc ctttgtttgc tgagccgatt gctagtcagg agttggtgag 240

gctgcctggt caggggtat cagccggact ggcatcactt ttacacaaaa ggcctatgcc 300

aacagcgtat ttcggatgga ggtctggtct tgcatccatt ctcttcaaac aaggaaatta 360

ngatgtcagc atttcccttt ttaatcctca aatttgtaac ncaatttcc 409

<210> 17731
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-003-Q1-E1-D12

<400> 17731

gttacgcctg cccgtaccgn cccnaaaatt cccnngtcna cccacgcgtc cgtacggctg 60

caagacgaca gaaggggaa attgagagag agtagaacac taaattagta aaatggctgc 120

aaaagcatca aatttagttg ctcttcttct ctttttgttt cttctgcttc tatctatctc 180

ctcacaagtt ggactaggcg aggccaaacg caacctacgt aacaatttgc gtttggattg 240

cgtttcccat ccctctcctc ctcctcctca tcgttccatg gcccctccaa tttttgtacc 300

ggcttctaca tcacacanag gacaaggccc ataaacaaaa tcatacaagt aaccgagaag 360

aagtgatcaa aatttcatac caancnnnag aagtnatnaa gattccatat angaagaaaa 420

gagtattgtg ttangaagaa agggtcaaag attttccttt aacnggggcc aagctttt 478

<210> 17732
<211> 293
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-003-Q1-E1-E1

<400> 17732

ttgttctcaa agaaaataag atatgaggtt cggaaactta acgctgagca gagacctcga 60

atcaaaggtc gtttcgtgaa gaggacgtca cttttgacgt gatttgattt actttaatca 120

acactttaaa gatcttgtaa ttaagacctt tgaagtaatt gtcgtaatgt actgaataat 180

gaactgaaac tcttggggcc gatggttgtg tagacttgta gccggcaact atgattttat 240

agattgattg attnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnncg gcc 293

<210> 17733
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-003-Q1-E1-E12

<400> 17733

ctgttacgcc tgcctgtacc ggnccnaaaa ttcccgngtc nacccacgcg tccgtacggc 60

tgcgaagaag acgacagaag ggttacggct gcnagaagac gacagaaggg ctacggctgc 120

gagaagacga cagaagggtt acggctgcga gaagacgaca gaagggctac ggctgcgaga 180

agacgacaga angnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnntggct agtggaatcn ctcgtggtcg tttanctgaa 300

gagaggaaat cctggaggaa gaatcatcct catggttttg tggcaaagcc gganacgggg 360

cacgatggaa ctgtgaatct aatggtgtgg gcattgcact atacctggta aanctgggac 420

tgaattggga aaggtggatc ctttccatta acgaatncca 460

<210> 17734
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-003-Q1-E1-E3

<400> 17734

tacggctgcg agaagacgac agaaggggag gaaccatgaa ggttgacccg tctgcgtctc 60

cggaggtcgt atccgatctc ccaccatctt ccccaaaggg ctcacctgat cgccatgacc 120

cttccacttc ttctccgagc cccagtcgtg gtggtgacaa tcagtctgaa gtcatatcca 180

agagtatctg aatgtgacga ggaggggaag gtggaaatgg tgggcgaagg ggtaagttaa 240

aaaaagctta aaggaagcat gggtgaatct gacttcattt gtgaagaggc aaagcgggac 300

aaggcaggtt atagtattag cgtttgcagt aatcttactg atgcangtga cgatatggtg 360

cctactgaaa aaaaggaaga agggggcaag tggaatttca tgaaaaggta caacaagttc 420

agtgttaaac ngggaaaacn tttgggttgg ttag 454

<210> 17735
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-003-Q1-E1-E6

<400> 17735

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ggagcaggga aagtgtacac ggagatgttt aaagacaagg cagagaagga atggaaatac 120

acgtacctga tcgtagagat tttaacacct tccccagcca aattgatgct ggagtcttat 180

ttgcctgcct aaagcactcg tatttatgac tcagcagatc cggaaaacat tcagaaacgg 240

cttaaattgt tttaattggg gtgttggaga aaagagagag aatttgtgtt acacatgagc 300

tgtangaatg acttcttatc aagcaactgt ttgctaattg aaaaacaagt ctaaactgtg 360

aaaaaaaaaa nnnnnnnnnn anaaaaaaan cggccgccct aaaggattaa ncc 413

<210> 17736
<211> 232
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-003-Q1-E1-E8

<400> 17736

ggctgcgaga agacgacaga agggtacggc tgcgagaaga cgacagaagg gtacggctgc 60

gagaagacga cagaagggta cggctgcgag aagacgacag aaggggatct ctnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnncggc cn 232

<210> 17737
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-003-Q1-E1-F4

<400> 17737

agaagggcca cacaagttat tttgatggga gccgttgaag gctacagagt cgcaggaaat 60

gggccattgg gagaggccga ggacttgctt taccccggtg gcagcttcga cccattgggt 120

ttggctaccg acccagaggc attcgctgag ttgaaggtga aggagctcaa gaacggaagg 180

ttggctatgt tctctatgtt tggattcttc gttcaagcca tcgtcaccgg aaagggacct 240

ttggagaacc tcgccgacca tttggccgac ccagtcaaca acaacgcttg ggccttcgcc 300

accaacttcg tccccggaaa tgancggctg cttattatgt gaatgagaac anagaaagag 360

atttgtttgt ggtcaatccg tgtaaatttc gaacttcctt tgggnaacct tg 412

<210> 17738
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-003-Q1-E1-F7

<400> 17738

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tagatcaagc agatgggtca atcagcgagc tacctctaag attaaaaaat ttatactctt 120

tttgggtgta gcctttgtct tctacctcta cagataccct tcttcgccat cgacggtgga 180

acaatcatcc acttccatct acaacatttc cgttaaggat attgaaggga aagatgtgag 240

tttgagcaag tttaccggga aagtgcttct tatagtcaat gtagcctcta antgtggtct 300

aacacatgga aactacaaag aaatgaacat tctgtatgcc aagtacaaaa ctcaggggt 360

ttgagatctt agcatttctt gcaaaccaat ttgggant 398

<210> 17739
<211> 446
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-003-Q1-E1-F8

<400> 17739

gcgtccgtag cgagaagacg acaaaagggt taacgataaa ttgctggagc catatgagat 60

agcaactgtt gaagtaccag aggctcacat ggggcctgtt gttgaacttc ttggcaaaag 120

gcgtggacag atgtttgata tgcagggtgt tgggtcggaa ggaacaacct ttctgcggta 180

caaaatccca acacgtggac ttcttggatt gaggaacgca attttaacag ctactcgcgg 240

gacagctatc cttaacactg tatttgacag ttatggacct tgggccggtg atattagcac 300

ccgcgatcta ggttcgctgg ttgcctttga agatggaaca tcaacatcat atgccctggc 360

gagtgcgcag gagagagggc aaatgtttgt angttctgga gtggatgtat acaaaggtca 420

gatattggga tncaaccaaa aacccg 446

<210> 17740
<211> 424

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-003-Q1-E1-F9

<400> 17740

aagacgacag aaggggggaaa caaaccaaaa aaaagcctaa aaagccgacc ttttttcttt 60

ctttctctcc tctacctctc agcttctgct ggatctctcc agcagacacg atcttgttcg 120

gagagattcg taggggaccg atctatcaag gcttcaaggg caaacagaaa tggaccacga 180

caagacagga tgccaaagcc cacctgaagg tcccaagcta tgtactaaca actgcggttt 240

ctttggaagc gctgccacaa tgaacatgtg ttctaagtgt cacaaggata tgttgttcca 300

acaggagcag ggcgctaagt ttgcatctgc agtgtctgga acatcgtcat caancaacat 360

cataaangga aacctttacg ccgcnttggt cgaaantgaa accaatccgt taacccatgg 420

ctgt 424

<210> 17741
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-003-Q1-E1-G1

<400> 17741

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agggaagaaa ggaagaggtc gtgaccaggg agtacactat caatctccac aggcgcctcc 120

atagctgcac cttcaagaag aaggcaccca atgccattaa agagatcagg aagtttgcat 180

tgaaagcaat gggaacaaag gacgttagag tggatgttaa actcaacaag cagatatgga 240

gcaaaggtat ccgaggtccc ccgaggagaa ttagagtccg tgttgcccgt aagagaaacg 300

atgatgaaga tgccaangaa gagttcttct ccctcgtcac cgtcgctgag attccggctg 360

aangattatc cggtttgggt actaaagtca ttgaanaaaa agggtgaaaa attggtgaat 420

gtcactcaca caacctta 438

<210> 17742
<211> 440

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-003-Q1-E1-G10

<400> 17742

gcgtccgtac ggctgcgaga agacgacaga aggggaaagg actgacgccg cgcgagaaga 60

cggcgcttca tgactgtttg gagactattg atgagacgct ggacgagctc catgaaacgg 120

tggaagatct ccatttgtat ccaaccaaaa aaactctccg ggaacacgcc ggagatctca 180

aaacactaat tagctccgcc attaccaacc aggagacttg tctcgacggc ttctctcatg 240

acgacgccga taagcaagtt cgtaaagcct tgttgaaggg gcagatacac gtagagcaca 300

tgtgcagcaa cgctctagca atgatcaaga acatgactga tactgacata gccaacttcg 360

agcaaaaagc taaaataacc tcaaacaacc gtaactcaag gaggagatcc aggaactacg 420

gggctgttaa atatcnccgg 440

<210> 17743
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-003-Q1-E1-G11

<400> 17743

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agaagagtac ggctgcgaga agacgacaga agggggggtca aaacatgaac caacattatc 120

catcttcccc ggtgagacaa ccgccatctc aacacgggtt cgaatcttca gcagctgcag 180

cggttgcagt gatgaaagcg agatcaaccg cctttgcgaa acgtagcttg agcttcaaac 240

cagctactca aacagcacca cagtcnaatc tctcggattg gggatctcca aacgggaagc 300

tggaatgggg aatgatagga gaagagctga ataagatgag aagaagtgtt tcctttggaa 360

tccatgggaa acaacaacaa taangcacta gangactaca ggggancgag ccanatgtgt 420

catggggtta acccctttagg ttaangacca ttcggtgggg ttctgaaaan aacctttgga 480

atgaatgaaa aggggtncgg 500

<210> 17744
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-003-Q1-E1-G7

<400> 17744

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aaagtcacgg gattgcctgt aattgacgat aattggacac tggttggtgt tgtttctgat 120

tacgatttgc ttgcattgga ctccatctct ggtcgcagtc agaatgatac aaacttgttc 180

cctgatgtcg acagtacctg gaaaacgttt aacgaactac agaaactgat cagtaagaca 240

tatggaaaag ttgttggaga cttgatgaca ccgtctcctc tcgttgtccg tgattctgcc 300

aatttagaag atgcagccag gttgcttctg gaaacaaagt tccgaagatt acccgttgtt 360

gatgctgatg gaaaactgat tgggatccta caangggaaa cgttgtnaag ggctg 415

<210> 17745
<211> 366
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-002-Q1-E1-G12

<400> 17745

tgggaatcga tttcttgtgt gtctgtagct acggattcga ttcgagtgac caaaggaact 60

cgatttattg gttctaaagt ctccaaatca gaaaattcag agacgagccc taaatggcag 120

ctccggaaga ttcaaagatg tctccggcga attcgtttgg agctgtcgtt ctcggcggta 180

cgtttgatcg attacacgat gggcatcgaa tgttcctcaa ggcggcggcg gagctggcca 240

gggatcggat cgtagtggga gtctgtgatg gcccaatgtt gacgaaaaag caattctctg 300

acatgattca acccattgaa gaaaggatgc gtaatgtgga gacctatgtc aagtctatca 360

ancccg 366

<210> 17746
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-002-Q1-E1-G4

<400> 17746

gcgtccgtac ggctgcgaga agacaacaga aggggatggg caagtcggca agacttcgcc 60

ggagccagac ctcatcgccg gagaatgtct tgttgggtaa agatagctcc gatgatcctt 120

acagatccga ctcagagact gaatcaaact cgagctccgg gaccgagtcg aacatgagct 180

ctgactctac aacttcggca ggagtgtcng cgatgatacg agtcttgtct gattctctgc 240

ttcgaacgga actcgcggag atggagatga tcaaggctcg tgaagcagcg aggttggaag 300

ctgagaagag aangttggaa atggaagtcg acttgactca gatggtgctt cagactcatt 360

tgcaagcgat gtcgtcgtta cccgtcggag agcataagat ttatcaggca cagaggaana 420

agaacagtta gaccnttaag g 441

<210> 17747
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-002-Q1-E1-H4

<400> 17747

gggtcgaggn acgcgtccgt acgcgctgcg agaanacgac agaanggggg aggagaaaag 60

gtagtgccaa tattanccgg cgattcagat ggagacngtg gtcgataaag atgttctgaa 120

gtcttccggg gctgagcttc ttcccgacgg acgtcgacgt ttacncatcc atgactggga 180

gatctaaacc ctccgcggna cgattctcac ttctctcgct gtcgaatagt gggaaaaaaa 240

gcttaanaca tctcacttac ctgaaatggt ttttggtgag aatgcattag tccttaaaca 300

cttgggtaac accactaana ttcattttaa tgcgtttgac ccactagctg gttggaanca 360

ggaatggctt ccanctgttg aanttcctgc tgcaacacaa tgngaaattc acgancaagc 420

cgtccagcan gtnatactag antatgattc acgt 454

<210> 17748
<211> 157
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-002-Q1-E1-F8

<400> 17748

ggctgcgaga agacgacaga agggtacggc tgcgagaaga cgacagaagg gtacggctac 60

gagaagacga cagaagggta cggctgcgag aagacgacag aaggggggtag agtactgtgn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ngcggcc 157

<210> 17749
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-002-Q1-E1-H5

<400> 17749

gcgtccgtac ggctgcgaga agacgacaga agggggaagc tangtccgag tagtcactta 60

accggagatc ggagactcat cgttgcanca acaacanatt tcagaagatc cgaanacnaa 120

acgatgccta taagtgcgac aatggtcgga gctttgctgg gtctcggtac ccagatgtac 180

tccaacgccc tccgcaagct cccttatatg cgtcatccgt gggagcatgt ggtgggtatg 240

ggacttggtg ctgtgtttgc naaccagctc gtgaaatggg atgtgaanct taangaanat 300

cttgatgtna tgctcgctaa ggctagagct gctaatgagc gccgttactt tgatgaagat 360

cgggattaan tttgcgtgat cnttgangtc ttcagagaan aaatatgtcc nctgaactca 420

t 421

<210> 17750
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-002-Q1-E1-H8

<400> 17750

aagacgacag aaggggaagg caaaaaaggg taatttgaaa attttcagat agaaacagtc 60

ccgtcaccgg cgacgatgaa atggttgctc gtcgccgtat tgacctctct tacgatcttc 120

tccgccttaa cacagtccca tctcctccat ggatctccgg tcaattctct ctgcgctgat 180

ctcattcatc ccgctaatta ctcctgcact gaacacagta ttcaaacaaa ggatggttac 240

atattagctc ttcaacgtgt agcttctctt ggtccaagac ttcaatctgg tccacctgtt 300

ttgcttcagc acggtctctt tatggctgga gatgtgtggt tcttgaattc accaaaagag 360

tcactangtt tcattcntgc tgatcatggg tttgatgttt gggttgg 407

<210> 17751
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-003-Q1-E1-A11

<400> 17751

ccctgntgta ccgccccgag aattcccgag gtcgacccac gcgtccggaa gacgacagaa 60

ggggggggaaa caccaaaaca aatcaccggc gatcggaaac cggcgacgta agctatgagc 120

agtacggcag ggaggctcgt gacttcaaaa tccgagcttg acctcgatca ccctaacatc 180

gaagattacc ttccttctgg ttcttccatc aatgaacctc gcggcaagct cagcctgcgt 240

gatttgctag acatctctcc aacgctcact gaagctgctg gtgccattgt tgatgactcg 300

ttcacaagat gtttcaaatc aaatcctcca gaaccttggg actggaatat ttacttattc 360

ccactatact gctttggggt tgttgttaga tactgtatcc tctttccctt tgaaggtgct 420

caccttnact tttgggtgga taatttccnt 450

<210> 17752
<211> 360
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-003-Q1-E1-A3

<400> 17752

aagacgacag aaggggggct aacaatggcg aagaagaagg aactgttatc aaaagcaccg 60

tggagaggcg acgacgaaga tgattccgat aagtttagca acgcaaagct taaagtcaca 120

aaggattctg atggtatgtc gaagatgcac gtccctagcc gcggaaccaa aaaaggaagt 180

ctcgctgatg atgatgatga ttcacttgag attgatcctc agcttcgtta cagcttcaat 240

ccgcaactat cagttcctgc aaagtgtant cactatagac actttggtga aacctcttcc 300

tccttcaatg ggcattcaat gtctctcgca acttggagcn tcttcacccg gcantttcaa 360

<210> 17753
<211> 512
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-003-Q1-E1-B1

<400> 17753

ctgtttacgc ctgccngtac cgggtccgan gaattcccgg ggtcgaccca cgcgtccgta 60

cggctgcgag aagacgacag aaggggagag tagagattga taaaaaaaat gagtagctcc 120

gattctcctc agcttcacaa tatcttcgtc tatggtagct ttcaagagcc tgacatcatc 180

catgtcatgc ttaatcgtat tcctgagatt gtctctgcaa cacttcctgg ctttaagaga 240

tttaggctta aaggacgttt gtatccatgt attatcccct ctgagaatgg agaagttcat 300

gggaaaggta ctaatgggat tgactaatga tgaactttga gaatgtanat tggggttgaa 360

agaaacgaat atgaaagagt gtttgttgaa gttgtaagaa aagacnattc tgagaagatg 420

agaattggaa acatatccaa gggatnaaca ngaatgattc tgaaanttgg tggaaaatgg 480

gganttcnan ngaatggaaa acgaattcnc ct 512

<210> 17754
<211> 376
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-003-Q1-E1-B4

<400> 17754

acgaatgctg aggatagaga agaagtagat gcaaaggaag aagaaggtca aattgttggg 60

gannnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncctgtgtt 240

tgtattatcc tgtgatccgt ccacttaagt ttaactggga gatttaaggc aaaagacaaa 300

gttggtggct tcagcattaa attccatata catggagatt gtgggancaa gtttcaaata 360

taacaanttc ctatgc 376

<210> 17755
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-003-Q1-E1-B9

<400> 17755

gcgtccgtac ggaagacgac agaagggtac ggctgcgaga agacgacaga agggtacggc 60

tgcgagaaga cgacagaagg gtacggctgc gaagaagacg actattgaga gctaaaatcc 120

gagattaaga atggcgaatc aaggagcgaa gaaacgaaag gaagagaacg ccaaacacat 180

ggctaagctc cgtcgtatca tcatcgcttc caatgctgtg tatttcgttg tgaggatgtt 240

gattttctac tcaagcttta cttggaaaca ttggatcggt ttaagtgata acttcgctgg 300

cttacgcgtt tccttataag cagcttgatc aaatggctaa acctagtgtt actgatgatg 360

gtgagcttat tgatggtggg atttgacatg accactgggg ggaatctgcg ggtaatttgc 420

acgaagtcat ccatatcact tgcnttgttc aactaacctc c 461

<210> 17756
<211> 284
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-003-Q1-E1-C10

<400> 17756

ggctgcgaga agacgacaga agggtacggc tgcgagaaga cgacagaagg gtacggctgc 60

gagaagacna cagaagggta cggctgcgan aagacgacag aagggtacgg ctgcgagaag 120

acgacagaag ggtacggctg cgagaagacg acagaagggt acggctgcna ngaagacgac 180

agaagggtac ngctgcgaag aagacgacag aaggggnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnc ggcc 284

<210> 17757
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-003-Q1-E1-C12

<400> 17757

ctgnttacgc ctgctgtacc ggcccganaa ttcccgangt cgacccacgc gtccgtacgg 60

ctgcgagaga cgcagaaggg gggagcgatt cggtcaaaac caacgctgga ttacacagca 120

gaagatttct cgtttcatat ttcgacaaac ttagaatctg cttatcatct gagccagctt 180

gcgcatcctc tgcttaaggc ttcaggatgt gggaacataa ttttcatgtc ctctattgct 240

ggagttgtat ctgctagtgt cggctccatc tactctgcaa cgaaaggggc attgaatcag 300

ctagcaagga acttggcatg tgagtgggct agtgatggca ttagggctaa tgctgtggct 360

cctgcagtca tcgcaactcc tttggctgaa gctgtgtatg atgatgagtt caagaaagtg 420

gtgatatcaa gnaaanccgt tggggccttt ccgggaanc 459

<210> 17758
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-003-Q1-E1-C2

<400> 17758

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gatgaagcta aggaagctat gtaacacaga gatcgtttca gtcgatgatg ttaaaccacc 120

tgttaaaaag cctgaacctg agaaaccanc tgaatctatt gcatatcctg ttccgatgaa 180

ctacgcgtac caattcaatc ctgcctatgc aaattcttac tatcatcaac catacggaaa 240

ttgtagantg gtagacgaac caaattgtgt gattatgtga ttgttcnagt gttatttcaa 300

ttaatgctca nttatntaac acttataagt tttgatagaa antatgtaat tttttcccta 360

aaaaactgtt tgtaataagt taatttttg gtccaccngt ggta 404

<210> 17759

<211> 231
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-003-Q1-E1-C4

<400> 17759

ggctgcgaga agacgacaga agggtacggc tgcgagaaga cgacagaagg gtacggctgc 60

ganaagacga cagaagggta cggctgcgag aagacgacag aagggtacgg ctgcgagaag 120

acgacagaag ggtacggctg cnagaagacg acagaagggt acngctgcaa gaagacgaca 180

gaagggcttt tcacaaaaaa aaaatcgaat aaaattaaaa nnaaaagcgg c 231

<210> 17760
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-003-Q1-E1-D1

<400> 17760

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gtccgcccac gcgtccgccc acgcgtcngc cnacgcntcn gcccacgcgt ccgtacggct 120

gcnagaagac gacagaaggg gttgcttaat gatcccagaa tcccantagt agctctactc 180

aaagtcaaca cagctaccgg aagaagattc gagtctctcg gaaatggnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnncgagaaa tcagacggcg gagaagggaa 300

ggcgtcgtgg gtggggaagg acgggaaggt gtaccatagc cacgatggac tcgcacctca 360

ctcacacgaa cccatctact ctcctggcta cttcagtcgc cgagctcctc cgcttcacga 420

accgtaactt ccctgagaaa acttttaccg tcggtaatgg cggtcccnt 469

<210> 17761
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-003-Q1-E1-D11

<400> 17761

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aaaaatcgac attaatggct gacgaagatt acaacgacgt cgatggcttg ggatatgagg 120

atgagccagc agagcctgag attgaagaag gagtagagga agatgttgaa atgaaggaga 180

atgatgatgt caatggtgag cctattgaag ctgaagataa agtcgaaaca gaacctgtgc 240

aacgtccacg caaaacgtca aagtttatga ccaagtatga gcgtgctcgt atcctcggca 300

ctcgcgcttt gcagattanc atgaatgctc ctgtcatggt tganctaaag ggnaanacgg 360

ntcacttgaa attncannaa gggagcttaa ggcagccgga agataccatt cactant 417

<210> 17762
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-003-Q1-E1-F5

<400> 17762

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cttctattgc tcaccggagc cctaggattg gtttgcccac gaatctaaat cctaaaattt 120

taatcagccg cagatgtctg agctccggga gttacgtctc agaaatgcag aaatcagctt 180

tccagggcaa cattttgcga ctgatccgta atgagattga gtacgaactc gatcactcgc 240

ctcctcttca gcctcctaac agttttggtc cattcactgt ggatgaacgg cctggagagc 300

agtggattag cttgaaaagg aattttgggg gataaagagg acatcaanaa ttgaagcaac 360

tatgtttgat agatcagttc cccacggtca aaatctacca aaactgaanc tgaataattc 420

ct 422

<210> 17763
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-017-Q1-E1-G4

<400> 17763

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atggtgctcc aaaacgacat cgatctcctt catccgccac ctgagcttga gaagagaaag 120

cataagctca ggcgtctcgt gcaatctccc aactccttct tcatggatgt taagtgtcag 180

ggatgcttca acataaccac tgtgttcagc cattctcaaa ctgttgtggt atgtggaaac 240

tgtcagacag ttctgtgcca gcccaccggt ggtaaaagcg aggctacaag aagggacgct 300

ccttcaagga anaagttgag aattgagatt tcncgaatcc gttcaaccct tccgcaaaat 360

gtttttgcct tantaagttt tggataacct aatgancgtt ttttcngcct aatganaana 420

attttggatg gcnagggtaa aacctaccaa acctgggt 458

<210> 17764
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-018-Q1-E1-E1

<400> 17764

agacggaaga aaattcgaat catcagtgtt tgtttcctcc tctcttaaag cttagccctt 60

ctcaggtcat tgttcttcaa tggcttcgag caacacgact actggggttg ataatacgtt 120

tagaaagaag tttgatgtgg aagagtttaa ggagcgtgct cgtgaacgcg aaaagaagga 180

atcggatcgg tctaaatctc ggtccaaagg tcctcctgtg caaagagccc ctttgaagca 240

tagagattat catgtagacc tagaatctcg tctgggcaag acacangtcg ttacaccggt 300

agcgcctcta aagtcagcan gctgggttaa ttctgtcncg tttgtgaant gtgttgttaa 360

agattcggca aactacttgg atcacataaa tgggaaaaaa catcaaangg cattggg 417

<210> 17765
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-009-Q1-E1-A10

<400> 17765

gggaagatct ccttgctgcg agaaagaaca catgaacaaa ggtgcttgga ctaaagaaga 60

agatgagaga ctagtctctt acatcaagtc tcacggtgaa ggtcgttggc gacctcttcc 120

tagagccgct ggtctccttc gctgcggtaa aagctgccgt cttcggtgga ttaactatct 180

ccgacctgat ctcaaaagag gaaactttac acatgatgaa gatgaactta tcatcaagct 240

tcatagcctc ctaggcaaca agtggtcttt gattgcggcg agattacctg gaagaacaga 300

taacgagatn aagaactact ggaacacaca tataaagagg aagcttttga gcaaagggat 360

tgatcaagcc actcatagag ggatnaacga ngcaaaaatt ctgatttgaa gaaaacaaag 420

<210> 17766
<211> 389
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-021-Q1-E1-F10

<400> 17766

aggaactctc ttccttgcaa aaaaataaaa cactatttcc tccaaataca cgtagagaga 60

tacatatata catatagaga tcaacaaaga tgggaagatc accatgctgc gagaaagctc 120

acatgaacaa aggagcttgg actaaagaag aagatcagct tcttgttgat tacatccgta 180

aacacggtga aggttgctgg cgatctctcc ctcgcgccgc tggattacaa agatgtggta 240

agagttgtag attgagatgg atgaattatc taagaccaga tctcaanaga ggcaatttta 300

ctgaaganga agatgaactc atcatcaagc tccatanctt gctcggtaac agatngtcnt 360

taatagctgg gagattacca ggangcatc 389

<210> 17767
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-049-Q1-E1-F4

<400> 17767

agggttcgtc caaagggctg cgaaaaggtg cttggactac tgaagaagat agtctcttga 60

gacagtgcat taataagtat ggagaaggca aatggcacca agttcctgta agagctgggc 120

taaaccggtg caggaaaagt tgacgttaat cctccatgcc ttggacttaa catcaataat 180

gtttgtgaca atagtatcat atacaacaaa gataagaaga aagaccaact agtgaataat 240

ttgattgatg gagataatat gtggttagag aaattcctaa gaggaaagcc aanaggtaga 300

tattttggtt cctgaagcga cgacaacaga aaanggggac accttggctt tttgaccgtt 360

gatcaacctt tggagtccnt ttcgattgga gaanactgtg aaaattggat tantggttt 419

<210> 17768
<211> 263
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-054-Q1-E1-H3

<400> 17768

aggaagagag agagagaaag atgggtaggc ctccatgctg tgacaagata gggatcaaga 60

aaggaccatg gactcctgaa gaagatatca ttcttgtttc ttacattcaa gaacatggtc 120

ctggaaactg gagatcagtt cccaccaaca ctgggttatt gagatgcagc aaaagttgta 180

gactgagatg gacaaattat ctgagacctg gaattaaacg tggaaacttt actcctcatg 240

aagaaggaat gatcattcac ttg 263

<210> 17769
<211> 397
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-052-Q1-E1-G6

<400> 17769

cataaaacat ttattttgcg cctataaagg catttcagct ccaccgtagg aaactttctc 60

ttgaaagaaa cccacagcaa caaacagaga aaatgtgtgg cggtgctatt atttccgatt 120

atgcccctct cgtcaccaag gccaagggcc gtaaactcac ggctgaggaa ctctggtcag 180

agctcgatgc ttccgccgcc gacgacttct ggggtttcta ttccacctcc aaactccatc 240

ccaccaacca agttaacgtg aaagaggagg cagtgaagaa ggagcaggca acagagccgg 300

ggaaacggag gaagaggaag aatgtttata gagggatacg taagcgtcca tggggaaaat 360

gggcggctga gattcgaaga ttcacgaaaa ggtgttt 397

<210> 17770
<211> 400

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-053-Q1-E1-A2

<400> 17770

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cgttagttgt gccttcagcg acggctggga atgttccccc gcagctcgag cttantctcn 120

gcggaggagg cggcggctcg tgttatcana tcccgatgtc ncgtcctgtc tacnttttgg 180

acctgatggg gatcggtaac gtacagtcgt ggtcagcctc ctcctgtgac atcggcgtct 240

anatcgccgg tggtgcatgt tgcnacgaat atggnttgtg gtgcccaaag cnactctgat 300

tcgtcatcgg tcgttgattt cgaangtggg atggagaaga gatccanctg ttagatntag 360

atctnaattt gccncctcca tcggaacaag cctgagcntt 400

<210> 17771
<211> 367
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-005-Q1-E1-D2

<400> 17771

cggctgcgag aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg 60

cgagaagacg acagaagggt acggctgcga gaagacgaca gaagggtacg gctgcgagaa 120

gacgtcagaa gggtacggct gcgagaagac aacagaaggg tacngctgcg agaagacgac 180

agaagggtac ngctgcgaga agacgacaga agggtacggc tgcnagaaga cgacagaagg 240

gtacngctgc nagaagacga cagaaggata ccgctgccaa aagacgacag aanggtaccg 300

ctgccagaag acnacanaan gataccgctn ccaaaaaacn acagaagggt acggntccaa 360

aaaacca 367

<210> 17772
<211> 201
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-006-Q1-E1-A10

<400> 17772

aactgtcncc ctggcactac aagtccggnc atcccgggtc gacccacgcg tccgcccang 60

cgtccgtacg gctgcgagaa gacgacagaa nggtacggct gcaagaagac gacagaaggg 120

tacggctgca agaagacgac agaagggtac ggctgcaaga agacgacaga aggatacggc 180

tgcgagaaga cgacagaagg g 201

<210> 17773
<211> 72
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-007-Q1-E1-C10

<400> 17773

gtggtnntac cangacgacg atacgtnntg gttcctngag gacgacnttg ggatccnggg 60

tcgaattgac ga 72

<210> 17774
<211> 73
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-009-Q1-E1-C4

<400> 17774

ancagatàaa aaaaaaatgg ctcaagcaat gacttcgatg gctggcttac nttgagcatc 60

tcaagctgtc cct 73

<210> 17775
<211> 176
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-010-Q1-E1-E6

<400> 17775

gacgacgaaa aaaatgattt aaaaaactat ttttttccgt aaggaagaaa agttatttttt 60

atgttttaaa aaggtgaaga aggtccagaa ggatcaacgc aaatatataa atggatttc 120

atgtattata taatttaatt agtgtattaa gaaaataaaa cagatgttga agttta 176

<210> 17776
<211> 370
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-014-Q1-E1-E9

<400> 17776

gaangaaaaa canaatggct tcgatgggtg gattacacgg tgcatctccg gcggttcttg 60

aaggaagctt aaagatcaat ggctccagcc gtctgaatgg ctctggaaga gtggcggtgg 120

ctcaaaggtc tagacttgtc gtcagagctc agcagagtga ggagacttct cgccggtccg 180

tgattgggct tgttgctgct ggtttagctg gtggctcgtt tgttcaggct gtcctcgccg 240

atgctatttc gatcaaagtt ggccctcctc cagctccttc cggtggcctt cctggganag 300

ataactcaga ccangcaaga gactttgcat tggcattgnn anacnggttt tacttacanc 360

cattgccacc 370

<210> 17777
<211> 70
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-E1

<400> 17777

tgntagcaac ngttcttggg atnttctccn acacgcctct ctccatgttt caatctttgt 60

acccgttccn 70

<210> 17778
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-016-Q1-E1-H10

<400> 17778

atagatgaga agaaaagaaa acgcaagtta tcaaaccgcg aatctgcaag gaggtcgcgt 60

ttgaagaaac agaagttaat ggaggacacg attcatgaga tctccagtct tgaacgacga 120

atcaaagaga acagtgagag atgtcgagct gtaaaacaga ggcttgactc ggtcgaaacg 180

gagaacgcgg gtcttaaatc ggagaagatt tggctctcga gttacgttag cgatttagag 240

aatatgatcg cctacgacga gtttaacgcc tgaacgcnna atggtgggtg gccaantgtt 300

gtcnaacgat tcngaacggc aaaacgcccg ggaatnnccg gttgggagaa ttgttaaacc 360

gtttcaaccg tnggaaaatt tgaagtttgt tgggtcccct accaa 405

<210> 17779
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-027-Q1-E1-E6

<400> 17779

ttcgatctta tccttatctt cttccttgtt ctatttctct tctaactaat ctcttctctt 60

ctcttaaaat caaacgtaat cataaataaa gatcttcttg tttaatttct cttgatcctc 120

gcaaaatcac agattcttga aattcttttt tcttgtcttg aaattcttga gttcttgagt 180

tatgaaaaga caatggacag agttatgaaa tgataaatct caaccaattc cttgtttatc 240

attctatatc agttgtgatt cttcattggt tttacgttat ctcttgaaca aaaaaacatg 300

gcaaacgcag agaagacaag ttcaggttcc gacatagatg agaagaaaag aaaacgcaag 360

ttgtcaaacc gcgaatctgc aaggaggtcg cgtttgaaga aacagaagtt aatg 414

<210> 17780
<211> 336
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-034-Q1-E1-H12

<400> 17780

gattatgagt gagatcagcg aacttcagaa aaagggaatg caattgatgg atgagaacaa 60

gcggttgagg cagcaaggaa cgcaactaac ggaagagaac gagcgacttg gcatacaaat 120

atgtaacaat gtgcatgcac acggtggtgc tgaatcggag aacgctgctg tgtacgagga 180

aggacagtcg tcggagtcta ttactaacgc cggaaactct accggagcgc ctgttgactc 240

cnagagctcc gacacttccc ttangctcgg cttaccgtat ggtggttaga gatggaacaa 300

ttcaaagaag ttgatggant gaggaaagta tgttaa 336

<210> 17781
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-022-Q1-E1-G2

<400> 17781

ttccagaaag aaagaaaaaa aagaaacaaa taattccaaa accttctctc ttaatcgaaa 60

tcaagaaact tacaagatct ggtggaaacc atggaagaag gagatttttt caactgctgt 120

ttcagcgaga ttagtagtgg catgaccatg aataagaaga agatgaagaa gagcaataac 180

caaaagaggt ttagcgagga acagatcaag tcacttgagc ttatatttga gtctgagacg 240

aggcttgagc cgaggaagaa tgttcaagta gctananagc taaggctgca accaagacaa 300

gtggctatat ggtttcaaaa caaagaaggg ctcgatggaa aactaagcaa cttgaagaaa 360

gagtntaaca ctcctagagc caanttcaac aatttggcnt cacaattttg aaatcatgaa 420

naaa 424

<210> 17782
<211> 382
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LILIB35-013-Q1-E1-F11

<400> 17782

ttccagaaag aaagaaaaaa aagaaacaaa taattccaaa accttctctc ttaatcaaaa 60

tcaagaaact tacaagatct ggtgaaaacc atggaagaag gagatttttt caactgctgt 120

ttcagcgaga ttagtagtgg catgaccatg aataagaaga agatgaagaa gagcaataac 180

caaaagaggt ttagcgagga acagatcaag tcacttgagc ttatatttga gtctgagacg 240

aggcttgagc cgaggaagaa ggttcaggta gccagagagc tanggctgca accaagacaa 300

gtggctatat ggtttcaaaa caagaagggc cgatggaaaa ctaagcaact tnaagaaaag 360

atttaacact cctaaagnca at 382

<210> 17783
<211> 392
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-042-Q1-E1-G11

<400> 17783

gcgcgggtcg acgcaacacc ctatactgag tcgtaataac cacagaaggg caggaatgat 60

gacaattaac cttgacctaa agagaggagg aaacggaagg ttcttgaaaa ctgcggctta 120

cggacacttt ggaagagacg accctgactt cacctgggaa gtcgtcaagc cactcaagtg 180

ggacaaacct caagcttaaa ttttacctac tctgtttctg tcttcattcc acaaaccaat 240

tatctgctca ctttttttatt tctctgtttt tgtggtttat tgtgtttatg tatcattgta 300

cttgagctat ttcaattggg tgtttgtttt tatggcgact tttacacggc ttggagtaag 360

tttcatgttg ttcttatata attataacca tg 392

<210> 17784
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-052-Q1-E1-D8

<400> 17784

cccacgcgtc cgcccacgcg tccgtacggc tgcgagaaga cgacagaagg gggaagccat 60

gggaagaaga aaaatcgaga tcaagcgaat cgagaacaaa agcagtcgac aagtcacttt 120

ctccaaacga cgcaatggtc tcatcgacaa agctcgacaa ctttcgattc tctgtgaatc 180

ctccgtcgct gttgtcgtcg tatctgcctc cggaaaactc tatgactctt cctccggtga 240

cgacatttcc aagatcattg atcgttatga aatacaacat gctgatgaac ttagagcctt 300

agatcttgaa gaaaaaattc agaattatct tccacacaag gagttactag aaacagtcca 360

aagcaagctt gaagaaccaa atgtcgataa tgtaagtgta gattctctaa tttctctgga 420

gga 423

<210> 17785
<211> 202
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-039-Q1-E1-A3

<400> 17785

gacgattcga aataacaaca gaaggacgat ggaatctagc agaatttttc ttcctaataa 60

ctattttcga gctttctgtt tttgttcttt ctttttaaaa aacttattaa gttcttatga 120

ataatgactt gtgaagtttg agttcgtctc cttcacaagc aagttgtatt ggtgttttct 180

actttatgaa tatgggtttt at 202

<210> 17786
<211> 366
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-004-Q1-E1-H9

<400> 17786

tacggctgcg agaagacgac agaaggggga agccatggga agaagaaaaa tcgagatcaa 60

gcgaatcgag aacaaaagca gtcgacaagt cactttctcc aaacgacgca atggtctcat 120

cgacaaagct cgacaacttt cgattctctg tgaatcctcc gtcgctgttg tcgtcgtatc 180

tgcctccgga aaactctatg actcttcctc cggtgacgac atttccaaga tcattgatcg 240

ttatgaaata caacatgctg atgaacttag agccttagat cttgaagaaa aaattcagaa 300

ttatcttcca cacaaggagt tactagaaac agtccaaagc aagcttgaag aaccaaatgt 360

cgataa 366

<210> 17787
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-043-Q1-E1-F9

<400> 17787

tacagctgcg agaagacgac agaaggggag agagagagag agagaaacga agaaaaaaaa 60

gaagcaaaaa acattgtggg tctccggtga ttaggatcaa attagggcac cagccttatc 120

ggaggaagaa gccatgggta gaaaaaaagt cgagatcaag cgaatcgaga acaaaagtag 180

tcgacaagtc actttctcca aacgacgcaa tggtctcatc gagaaagctc gacaactttc 240

aattctctgt gaatcttcca tcgctgttct cgtcgtctcc ggctccggaa aactctacaa 300

gtctgcctcc ggtgacaaca tgtcaaagat cattgatcgt tacgaaatac atcatgctga 360

tgaacttgaa gccttagatc ttgcagaaaa agctcggaat tatctgccac tcaaagagtt 420

actagaaata gtccaaagca ag 442

<210> 17788
<211> 243
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-011-Q1-E1-A10

<400> 17788

tccaagcgtc agtacggctg cgagaggact acagaaaggg cttaggagca gatttctatt 60

aatgaacaaa ggtgcttgga ctaaaggaag aagatgagag actagtctct tacatcaagt 120

ctcaaggtga aagtcgttgg cgacctcttc gtagatccgc tggtctcatt cttatgctgt 180

catagctgcc gtcttcggtg gcttaaatat cgccgacctg atttcattca gaggaagttt 240

att 243

<210> 17789
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-030-Q1-E1-C8

<400> 17789

tacggctgcg agaagacgac agaaggggct ctctcctctg ttctctcttc ccttatcttc 60

ttcttatact cttcgaccaa cgaagaaccc tagaaatcga ttaacaagat gaatagggaa 120

aagttgatga agatggccaa cactgtccgc actggcggaa aggggacagt aagaagaaag 180

aagaaggctg ttcacaagac cactacaacc gatgacaaga ggctccagag cactcttaag 240

agagttggag tcaattccat tcgcgccatt gaagaagtta acatttttaa ggatgatgta 300

ctcattcagt tcattaaccc taaagttcaa gcttcaattg ctgctaacac atgggttgtg 360

agtggtacac cacagacgat aagattgcaa gacattcttc ctcagattat cggccaactt 420

ggaccagata ac 432

<210> 17790
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-042-Q1-E1-B7

<400> 17790

accacagaaa gggagctcaa gcttctacgt catcttcgac atgagaatgt ggttgctctt 60

aaagatgtaa tgatggctaa tcataagaga agctttaagg atgtttatct tgtttatgag 120

cttatggata ctgatcttca tcagattatt aagtcttctc aagttcttgc aattgacgat 180

tttgatgaaa atgagctcca agaggctgac aaaatgataa aggaggaggg gaagtttctg 240

tgtgtgtcaa tgggacatga gaacaagaca cttgatgatt ttgtagaagc tcacaacaca 300

tgcgtgaatg atctcatgta tttccccact cgaagcgctt acgagctctc aggtgttgct 360

gggaacgcgg acaaagttgc agcttt 386

<210> 17791
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-043-Q1-E1-H9

<400> 17791

tacggctgcg agaagacgac agaaggggaa ccaaaaagct tttcttccca acacacacaa 60

aaaaaaaaac tgtaacgacc aagaaaaaag aggacgcgtt agaagaaaaa aaagaacaat 120

ccgataaaaa gatccggcga tgtcaaaccc gacccgtaag aatatggaga ggattaaagg 180

tccatggagt ccagaagaag atgatctgtt gcagaggctt gttcagaaac atggtccgag 240

gaactggtct ttgattagca aatcaatccc tggacgttcc ggcaaatctt gtcgtctccg 300

gtggtgtaac cagctatctc cggaggtaga gcaccgtgct ttttcgcagg aagaagacga 360

gacgattatt cgagctcacg ctccgtttgg taacaagtgg gctacgatct cgcgtcctct 420

caat 424

<210> 17792
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-005-Q1-E1-F1

<400> 17792

tacaactgca agaagacgac agaaggggga tcttttgatc caatcacaag gcaaagatcc 60

aatggacaat aacaacaaca acaacaacca gcaaccacca ccaacctccg tctatccacc 120

tggctccgcc gtcacaaccg taatccctcc tccaccatct ggatctgcat caatagtcac 180

cggaggagga gcgacatacc accacctcct ccagcaacaa cagcaacagc ttcaaatgtt 240

ctggacatac cagagacaag agatcgaaca ggtaaacgat ttcaaaaacc atcagctccc 300

tctagctcgt atcaaaaaaa tcatgaaagc tgatgaggat gtgcgtatga tctccgccga 360

agcaccgaat ctcttcgcga aagcttgtga gcttttcatt ctcgaactta cga 413

<210> 17793
<211> 370
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-045-Q1-E1-B6

<400> 17793

tacagctgcg agaagacgac agaaggggga tcttttgatc cattcacaag gcagtgatcc 60

actggacaat cacaacggca acatccagca tccagcactc aagtccgtct atcgacctgg 120

gtccaccgtc agaagcgtaa tcgctcctcc atgatctgga tctgcatcaa tattcaccgg 180

atgaggaccg acatagtacc acctcctcca gcagcaacat cagcagcttc atctgttctg 240

gacagaccac agacaagaga tcgaacaggt aaacgatttc aagaaccatc agctctctct 300

aggtcgtatc aggaaaatca tgacagctga tgaagatgtg cgtacgatct ccgctgaagc 360

accggttctc 370

<210> 17794

<211> 219
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-H12

<400> 17794

tacagctgcg agaagacgac agaaggggca gcaattaaac aatttcttca ctgcaattca 60

cacgcaacct tcaaactaaa actcgagaga caagaaatcc tcagaatctt taacttaatg 120

gcgctcgaag ctcttacatc accaagatta gcttctccga atcctccttt gttcgaagat 180

tccntcagtc ttccatggaa gtccaacgcc gggcaaagg 219

<210> 17795
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-043-Q1-E1-A2

<400> 17795

cccacgcgtc cgtacgctgc gagaagacga cagaagggga cgtcgcggta gagagaaaga 60

gaggaaagct taagccgacg acgacgacga agatgagaga gacggtgaag ttgataagca 120

tggaaggttt cgagttcgtc atcgacagag aagccgctat ggtttctcag actatccgaa 180

gcatgctcac ttctccaggt ggtttctcgg aatcgaaaga tggcgtagtg actttccctg 240

atataagcac cacaatacta gagaagattt gccagtactt ctattggtct cttcaatact 300

ctagaggcan agagacagag tttcatattg agcctgaact gactctagag ctgatgatgg 360

ctgctaacta tcttcacact tgaagaatga aaaggataac gctgttgaat cctagtcgac 420

ttgtgtgaaa tcaaaaggta aatccgcatt ggg 453

<210> 17796
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-002-Q1-E1-H6

<400> 17796

cccacgcgtc cgtacggctg cgagaagaca gaaggggggcc ggagtcatga ttggacggag 60

tgtccatacg ctcatcccgg agaaaaagct cgccggagag atccgaggaa gtaccattac 120

tctggtacgg cttgttctga ttttcgtaaa ggtggctgca agaaaggtga ctcttgtgag 180

tttgctcatg gtgttttcga gtgttggctt catccagctc gttaccgtac tcagccgtgt 240

aaagacggtg gtaactgtct ccggaaaatt tgtttctttg cccattcacc ggatcagctt 300

aggtttttac atactcggag ccctgacaga gttgattctt ttgacgtttc gtctccgatt 360

cgtgctagag catttcagct gtcgatttct ccggtttctg gttcgccacc gatgagtcca 420

agagctgact c 431

<210> 17797
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-042-Q1-E1-H4

<400> 17797

accacgcgtc cgtacgcaga agacgacaga aggggaaagc aaaacacaga aaaagccatt 60

ctttttgccc cttgagtgct ttcagctctt cccacaaggt tacagaagta atgtcacgtg 120

tgtacgtcgg aaatttggac ccgcgagtta ctgagcgtga acttgaggat gagttccgtg 180

cctttggagt tgtcaggagt gtttgggttg cccgtagacc acctggttac gcttttctag 240

atttcgaaga tcctagggat gcccgtgatg ctatccgtgc tttagatggc aagaatggct 300

ggagggttga acagtctcac aatcgaggtg agcgtggtgg cggcggtcgt ggtggtgacc 360

gtggaggtgg tggcggcggc cgtagtcgca ctcctccaag atacagaagg agcctaagct 420

atgga 425

<210> 17798
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-005-Q1-E1-A1

<400> 17798

tacggctgcg agaaaacgac agaaggggggc ggtagagaga aagagaggaa agcttaagcc 60

gacgacgacg acgaagatga gagagacggt gaagttgata agcatggaag gtttcgagtt 120

cgtcatcgac agagaagccg ctatggtttc tcagactatc cgaagcatgc tcacttctcc 180

aggtggtttc tcggaatcga aagatggcgt agtgactttc cctgatataa gcaccacaat 240

actagagaag atttgccagt acttctactg gtctcttcaa tactccagag gcaaagagac 300

agagtttcat attgagcctg aactgactct agagctgatg atggctgcta actatcttca 360

cacttgaaga atgaaaagga taacgctgtt gaatcttatt cgacttgtgt g 411

<210> 17799
<211> 327
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-026-Q1-E1-H4

<400> 17799

tacggctgcg gacgacagaa ggggacagag acggagatgg tctcatatct caacttgagt 60

tgggagaagg aatgaaggac atggggatga agataacagc agaagaagcg gagcatatgg 120

tccgagaagc cgaccttgat ggcgatggtt ttctttcttt ccacgaattc tctaaaatga 180

tgattgctgc ctcttgttag cattttgtga aatgccatga tttaagagtt tgtttttgca 240

caattacaac tatatttcaa tatgttacta tattttccca acatataatt aaagtgtgtg 300

ttactgtaaa aaaaacataa cacagtc 327

<210> 17800
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-056-Q1-E2-D2

<400> 17800

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agagttatct aagttgctag aagaagcttc ttccacacat gagaaagggg aagagattac 120

taataccaat ccttttgata acagtaccgg agaacaaaaa gtacaagaaa gtcctttgga 180

agctattgat agacatttga aagatgacac aacaattcat tggtcagctc acaacgttca 240

agtaatagga aaaggagaga aaggtaaaga taaagacacc gtggaaagcg aagtgtatca 300

tttagaaaag agagaagctt cttcagagag agacacagag catgactttg ctgaagaaag 360

aagtccactc naaagcagaa ggtatgagaa cntt 394

<210> 17801
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-056-Q1-E2-D3

<400> 17801

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atggaacacc gttccgtgag agaaaacatg gtttgtatct ttgagagtta cgccggagat 120

attgggtggc gtcactccga aagccccatc accggtatac cgataaggga atgagaccaa 180

aagtggacgc tagtgggtac gaatggcagc ttcggtaggt aactatgatt acatcattga 240

ttacgaattc caaactgatg ggcttataaa agctaangtc gggctaagtg gaatactaat 300

ggtgaaaggg acaacatatc aaaacaaaaa ccaagtggga gaaagataaa gacngtaatg 360

aagaaaaact tcacggaacc cttctgtctg naaaagttaa ttggg 405

<210> 17802
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-056-Q1-E2-D4

<400> 17802

ggctgcgtca gtaaaacgta ttcttaaaag caaccattgg tgtgattgac tctataagag 60

aattcgtcag cgtgaagcaa tctccaatct aatcgcagca tatcttctcc gattcctatt 120

cgtctctgca attgaatctt ccggtaagcg aagatggcga cgtctgcgag gatttgttgc 180

ggaggaggaa gtgcatgcgc cgttcgttgt gatcgtcgca cgttaaattt gaattctcga 240

tcgtcatgtg ttgttccaag tgacgaatcc gacggaatat gtgtgcgatc gggaagattt 300

cgatgtcgat ggaggatttg tcaccaccgt ctgcggcggt gaagattgaa nggatcngtg 360

ggaanggaaa cgccgtgggt ntgttgtgtc caaggg 396

<210> 17803
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-056-Q1-E2-D5

<400> 17803

gagcttaagc aagcacttga cgctgatata caagatcgga tcatgaagga gagagagatg 60

cagagttata tagaagagcg tgagcgtgaa gtcgctgagc gagaagctgc ctggaaagtt 120

gagctctctc gccgtgagac ggagatcgct agacaggaag cgaggttgaa gatggagaag 180

agagaatctg ggagaaggag aagagtgttc ttatggggac tgcgtcgaat cangataatc 240

aagatggtgc tctgggaaat tactgtgagt ggtgagaaat atcggtgtct tagattctct 300

aaggctaaag aaatgangtt ggaaattgga tctggattct aaatttaagg cacaaaagga 360

aaagatttgt tcctgcnttt aataatggat ccaatgggga antgt 405

<210> 17804
<211> 486
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-056-Q1-E2-C9

<400> 17804

tgtttacgcc tgggccggta ccggtccaaa aattcccggg tcnacttctt ctcccccngc 60

tgcggtggct gccgcgctct ccaccccaag gtagaaattc ttggccaaaa gccccggttc 120

gatccaacaa ttctgattcc aaacactgca aagtatactc aagcgaattc ggttcttctg 180

atgtgcagat tgcgcagttc gctgagcgga atccggacgt gctgttcctg caagtcaact 240

acgagaagca caagtccatg tgctacagcc tccatgtcca tgtcctccct ttcttcaggt 300

tctacagggg agctcagggc agggtcagca gcttcagctg caccaatgca accgtaagtc 360

tcacttgtat actgtaaaac gtttctgctt actacaaaaa tgttcttcat acacgtttaa 420

gatgagatga atgctgacat gcttgctgca attcgattcg attacagatc aagaagttca 480

aggacg 486

<210> 17805
<211> 246
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-056-Q1-E2-D9

<400> 17805

ctcctccccg tcgcgtcccg gccccggcag gccgacggtg ccgttgctcc gtcttctccc 60

gcgtttatgt tcctagatac aaacctgtga tgcatgcgtt ccgtgttctt cttcctttgt 120

agtgtggatg tttgagatcg cgatccggat ttcgctagcg ttctgttatc acttacctgc 180

ttcagatcta gttcgagtaa aataggtctt tatgcgataa agatcatcat gaacactgtt 240

cctgca 246

<210> 17806
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-056-Q1-E2-E10

<400> 17806

taataccatg aaattagggt ttacgaagct tttaatcgtc tctccttccc aatttcttcc 60

aagaatggcc gacgaagaag attctctctc tcaattcgat atatccaaag aggaaacgga 120

taagttagtt tcagaggtga ttagattcat actgttcaag tttcaccaaa gctcaggaac 180

tccaattaaa agagaagatt tgactcagat tgttactaag aactatcgtc aacgaaatct 240

cgctacacac gtgattaacg aagcgaagaa gaagctctct aatgtctttg gttatgattt 300

gaaagaactt caacgtgctc gttcttcttc tactggtcaa tctaggcttc ctcagtcaca 360

agagttctgt tgactcgaaa tcgtatgtgc ttgttantga attgcc 406

<210> 17807
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-056-Q1-E2-E11

<400> 17807

tttacgcctg nacgtaccgn gtccganaat tcccgggtcn acccacgcgt ccgcncacgc 60

gtccgcccac gcgtcngccc acgcgtccgc ccacgcgtcc gtacggctgc gagaagacga 120

cagaagggga gctagaacat gattacgccg atttttacaa aagttgtgta caatgagaga 180

gcgtggcata tccgtccgct atcggtttac aacaggggat ttgaggagaa ggctgagaga 240

ggaaagaaag cgaacattga tgaggctgaa tgcctcaaat ggcttgactc caagaaacca 300

aattcagtca tttatgtttc ctttgggagc gtggctttct tcaagaatga acagttattc 360

gaagatcgct gcagggttag aagcttccgg tacaagtttc atttgggttg ttaggaaaac 420

caaagatgat aganaagaat ggttaccaaa anggttcgaa ganaagggtg aaaaggaaaa 480

gtatgataat aaa 493

<210> 17808
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-056-Q1-E2-E9

<400> 17808

tctctgcact taaatggagc cactagtgct cctcggttag ctgaagacga tgaaaattct 60

gttgctagcg acttgcattg ctttgagttg aacatgcatg gagatgctgt gcagactcat 120

gaccttgcag gaactcgacg aacagtcgcg gactgcatgt attcaccaat gagaagactg 180

gagttttccg atggtgtgtc tgttgagggc tcaaggatct caaccgcaag gcctcgttca 240

gaaaaaggca aggtgaagcc aagcagcagc aaagcacagc tgcatacttc gacaccagaa 300

atcagctctc gcaactgtga caagatcgat cctatagatg agcagaatga aacagtcatg 360

acccaagtct ctcgacggtt gcacgatgac ttgctgaaga tcaaatcaga ggctcctcag 420

catgcatttc 430

<210> 17809
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-056-Q1-E2-F8

<400> 17809

gaagagaggt ttatgatttg agcggaagct gctgagagag gaaaatcatg gaggatcatc 60

atcatcttcc cgagaatttg aaacccttct ttcacagagc cactgaagct caggagcgat 120

tggctaagct tgaagctgct cttgcgtcga ctaagacaga cattccggat gctaaacttg 180

tggaggaaaa caaacaactt cagtcaaagc tcgaagaagc taacgccact gtgaagcaag 240

aacagactaa ggtgaaggac ttgaccattg aaaacgccaa gcataagtac cgtatattgc 300

atcttgtgcg gggctctaaa ggatgctgat caagaagctt gagaagctct ctaaatgatt 360

tcantctccg tccctttttt taatccctcc c 391

<210> 17810
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-056-Q1-E2-F9

<400> 17810

cggtctttct cgttagggta acatgggtgc ttcggcggca gtttgtcggg aaaaagatgg 60

ccagtaactc ggagcatttg cggtgatttt cgacggtcta gtagatgcgc caagtcttga 120

agcgtacgca tgcaatgaag cactcgctct cgccatagat ttctacatat cacatgtgat 180

aatagcctca gattgtatgc aggtcatctc agacatcaac cagggcacac aatcctctta 240

ttcaatggtc ctcgatgaga ttaaatatac tccctccgtt cctaaatata agtcttttta 300

gacatttcaa atggactaca acatacagat gtatgtagac acattttaga gtgtagattc 360

acttatttcg ctccgtatgt agtcacttgt tggaatctct agaaagactt atatttggga 420

acggagggag tagaatgca 439

<210> 17811
<211> 352
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-056-Q1-E2-G11

<400> 17811

ctgnangtgt cactatcaag aagacaaacc aagctttggt ctttggcttc tacgatgaac 60

caatgactgg aggtcaatgc aacttggttg tcgaaaggct cggggattac cttatcgagt 120

ctgaactcta aaaccaaggt ttcatttcag gttcttctta actaaagagt gtcaatgcac 180

tttttattgt gattgattgt aatgctttca aacacaaatc atttgttact ttagaaccaa 240

ttgtgattga ttggtctcct tcgttaccga gtttgagttt gtgtgttctt gtaatgacat 300

ttgatcatct tttttcccca taatgtattg agttttgatc aaaagaaaaa ag 352

<210> 17812
<211> 376
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-056-Q1-E2-G5

<400> 17812

ggtcgcagtg accaggcccg ggcgactgtt taccaaaaac acaggtctcc gcaaagtcgt 60

aagaccatgt atgggggctg acgcctgccc agtgccggaa ggttaaggaa gttggtgacc 120

tgatgacagg ggagccggcg accgaagccc cggtgaacgg cggccgtaac aataacggtc 180

ctaaggtaac cgaaattcct tgtcgggtaa gttccgaccc gcacgaaagg cgtaacgatc 240

tgggcactgt ctccggagag aggctcggtg aaatagacat gtctgtgaaa gatgcggact 300

acctgcgcct ggacagaaag accctatgaa gcttcactgt tccctgggat tggcttttgg 360

gctttcctgc caactt 376

<210> 17813
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-056-Q1-E2-G7

<400> 17813

ttaaattcga tttttgagac aaagctcgac aagtcgtcgg cggcggtgta aaaatagtcg 60

gagctatggc gatgcaggcc ggagttggct tatccaggat ctttctctta gccggagcag 120

gttacactgg tacgattatg atgaagaatg gaaaattgtc ggatttgttg ggtgaattgc 180

agagtttggt gaagggaatg gagaaatctg gagaagggtc tgagggaggt tctgatgttt 240

ctgatgctat agctgcacag gttcgccggt tggctatgga gattcgacag ctagcttcgc 300

agcaacacat aacggtcatg aatggagttt ctggtgcaaa cctacaagcc cttgctgttc 360

caactgccgg cattgggaac tctcgggtaa nggtatatgt g 401

<210> 17814
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-056-Q1-E2-G9

<400> 17814

ctgtttacgc ctgnccgtac cggtccanaa attcccgggt ccacgacggc ctgaacnctg 60

cccctcctcc ccttcaccaa gcggaggggg gtacgtccgg atctgtaacc agcggtgagg 120

atagaaagcc agtgtttttt gaagggagag agaaagtgtt actaccccta tcttttttag 180

atctggagag gatgagagtg tgtgaataga gcaaccctag caagcaagcg cggaggctcc 240

ggcctatata tacatagtgg ggtagttttc ctttttcact ccatcaaaac aatcgtttaa 300

aattgtgtac tactacatgc caggtcgtgg ttttttttagt tgttgattgt tttttgagat 360

agctacccgc ttgttccaag tggtgttacg gtgtgccagg tcgcactttg tatcgttcaa 420

agtctggtac tacaagtccc tccattaaat gaacaaccaa cccctcgtaa aaattgtgaa 480

caagccc 487

<210> 17815
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-056-Q1-E2-H9

<400> 17815

tcgttctagg gcccgtattg ctacacaata tgttcccctt tgagaggttc atgggagtcc 60

taaagaaata tgtccgtaac cgcgctaggc cagaaggaag catctccatg ggccatcaaa 120

cagaggatgt tatcgggttt cgtgttgact tcattcctgg ccttaagaag ataggtctcc 180

ctaaatcgcg gtatgagggg agactgactg gaaaaggcac tcttggaagt gactcaataa 240

tatgcaggga tggatattct tggtctcaag cacactacac agttctacag aactctacct 300

tggtgacccc gtatgtcgat gaacacaaga acagtctgcg ctccaaacac ccggagtagt 360

gcgatgactg ggattacatg tgaacacatt aggactttca acagttggtt ggaaacatgt 420

ctcagaggtg acaac 435

<210> 17816
<211> 223
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-038-Q1-E1-A7

<400> 17816

ttcgccggtc gacccacgcg accgaacggc tgcgagaaga cgacagaagg gtacggctgc 60

gagaagacga cagaagggta cggctgcgag aagacgacag aagggtacgg ctgcgagaag 120

acgacagaag ggtgtctgaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180

aaaaaaaaaa aaaaaaaaaa aaaaaaagaa ccggccacac gat 223

<210> 17817
<211> 338
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-056-Q1-E1-D8

<400> 17817

gaagagatcg agagaagaat agtttgatca tcttgtgaga aaaataatgg ctgcttcagt 60

gatgctatct tcggtgacat tgaaaccagc tggtttcacg gtggagaaga cggcggctaa 120

gagggattac cgtcgctcaa caaagaactc cgtcccctcc ctgtcaanaa tttgtccgcc 180

aagttggcgt caaanaaaga tnaangaccc gacaagccct ttcggaatta aacggcagca 240

tggacttgaa ggggacnggc gtcnaacgcc tccggcagaa agggcaangg gataccggtg 300

tttacaagta cgtcgacaag gtatggagct aacgtcga 338

<210> 17818
<211> 320
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-056-Q1-E1-E4

<400> 17818

agagatcgag agaagaatag tttgatcatc ttgtganaaa natantggcn gcttcagtga 60

tgctatcttc ggtgacattg aaaccagctg ggtttcacgg tgngaganaa cngcggctaa 120

gaggattacc cgtccgctca acaataagct cctccctcct tcaaaattgt cgccaagtgg 180

cgtcaaaaag atcaagaccg acaagcccct cggaattaac gggcagcatg gncttgaggg 240

acngcgtcga cgcctccggc agaaagggca aagggatacg gtgtttacaa ctacgtcgac 300

aagtatngag ctaacgtcga 320

<210> 17819
<211> 294
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-056-Q1-E1-G3

<400> 17819

ggtcgcagtg accaggcccg ggcgactgtt taccaaaaac acaggtctcc gcaaagtcgt 60

aagaccatgt atgggggctg acgcctgccc agtgccggaa ggttaaggaa gttggtgacc 120

tgatgacagg ggagccggcg accgaagccc cggtgaacgg cggccgtaac aataacggtc 180

ctaaggtagc gaaattcctt gtcgggtaag ttccgacccg cacgaaaggc gtaacgatct 240

gggcactgtc tcggagagag gctcggtgaa atagacatgt ctgtgaagat gcgg 294

<210> 17820
<211> 322
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-056-Q1-E1-G7

<400> 17820

ttaaattcga tttttgagac aaagctcgac aagtcgtcgg cggcggtgta aaaatagtcg 60

gagctatggc gatgcaggcc ggagttggct tatccaggat ctttctctta gccggagcag 120

gttacactgg tacgattatg atgaagaatg gaaaattgtc ggatttgttg ggtgaattgc 180

agagtttggt gaagggaatg gagaaatctg gagaagggtc tgaggggagg ttctgatgtt 240

tctgatgcta tagctgcaca ggttcgccgg gttggctatg gagattcgac agctagcttc 300

gcagcancac ataacggtca tg 322

<210> 17821
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-056-Q1-E2-A10

<400> 17821

aagttgtggg caggttanat caaaacggtg gagagtgaag tgtcacttgt cacctgtaaa 60

atccgccaag tattcctcta aaatatcaac cgatatcgct ctccacgagt ctcctcaggc 120

cttgtttgat gaatatttgg aagacaaatc aagggttttc gaagcaatgt ttccggataa 180

acccaaaaac tataggctta atgaggaaga atggagaatc caaatgttac caataaaatt 240

tttcttcctc actgcgtgtc cagtggtggt catgcggatt anatgcaaat ccaacggtca 300

ggattaccca tcagacgtac ctctacacat aaccaaagtt cttgagctca acatgacgaa 360

atgggagctt caagggcttg accgataatg gaaccaactg atttca 406

<210> 17822
<211> 343
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-056-Q1-E1-D7

<400> 17822

tgttgattcg caaaggcgaa gattatccat cttctcagtt actcctactg gaaccaaaag 60

ctcagaacct taaaacatgg agtctctatc tcttcccgtt ctaaatcctc tgttagcttc 120

tggttctaat ctttttagaa accagcactc gaggatgacc tcttcantgg tatcttcact 180

taaatccccc attggaggca catcgctctc cactgttcgt cgctttgggn gtaaggtgtt 240

tgttaggatg caaagctgtt gatgaagata ttgatttnga ngcaaatgag agacatagct 300

gctgcnaaaa aatcgtttgn ggattggttt gttaagggaa agg 343

<210> 17823
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-056-Q1-E2-A11

<400> 17823

gttcttttta aaatcaagga atctagtttt tggaatattt ttaacaattt ttattgacaa 60

tttaaattct aatctatttg aaaactcaca accattctga aattaagagc aagacggcta 120

ttttagatca tcaaacaatc aaatctgttc tccgtgttga ttggaggcgt acgacagacg 180

ctcctcttct ctgtcgttac tctggctttg ttctcttgca taggtggttt tgaccgttga 240

gaagatgaag aagatttgtt gggcttctca agttaagttg acattgggct tgttaggtga 300

gtggcccaat atccctttc ctttgtttac tgcagcgacg tcgttctgac tcgttgaccc 360

ttcatctgca tttgaagttt ttctccgatc tgtgtcaaat tccggg 406

<210> 17824
<211> 65
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-056-Q1-E2-A2

<400> 17824

cngctgccaa naagacgaca gaangattcc gcttccaaga anacgacaga aagggtaccg 60

gctgc 65

<210> 17825
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-056-Q1-E2-A8

<400> 17825

gatttagaaa aaaaggaagc tccaagagat ggcaagagtt gttaaaatcg attctgcaga 60

gtcatggaat ttctatgtga gtcaagccaa gaatcagaat tgtcccattg tggctcattt 120

cactgcatta tggtgtattc cttctgtgtt tatgaactcc ttcttcgaag agcttgcgtt 180

taactataag gatgctctgt ttctaatagt tgatgttgat gaagttaagg aagtggcaag 240

tcaactagag gtaaaggcga tgccaacttt cttgttcttg aaggatggta atgcgatgga 300

caaactcgtg ggcgcaaacc ctgatgagat taagaaacgg gtcgatggtt tccgttcaat 360

cctcacgtgt tgttcatatt gcttaangga a 391

<210> 17826
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-056-Q1-E2-A9

<400> 17826

caagcaattt gctgtggttg agaatcctgg attttggaac tggaccttta cccttattga 60

tgaanatgaa aatgtgttgg cccaaattga ccgtaattgg aggggaattg gttttganct 120

ctttacggat gctggccant atgcaattcg gtttggtgat gatggacaaa gcagtagact 180

tggtctcggt tcagatatcn aagaactaaa cgttgttcgc ccgctgagtt tacctgaaag 240

ggctgtagct cttgctctgg cagtgtccct ggactcagat tacttctcta ngagaggggg 300

ctggggactg ccttttctca tcgccacana gtagaccncg catacgaatg ccatcctctc 360

agttcacagc ggnacttaaa attgccagtt ctttccgcca ttgatgtcct gaanaaagct 420

ggt 423

<210> 17827
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-056-Q1-E2-B10

<400> 17827

tttgtaatat gtatgggaag ttttgtaacc aagtgggtga aggaattgcg agcgctttgt 60

ttgcttgcat tggaatggtt ttgatctctt gcatttcggc tttcggtgtc tttcgtttgt 120

acggcggaag caaatctagg ccaagctcac ggtagtgaag gcctgtagtg gtcttggacc 180

aaccttgttt gtggaacctc tattaaatgt tgtggtgtgt gtcctcttat ctctcaagtg 240

tgtataccgc tattacttac tgtcatgatc tcagctgatc tnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

nnnnnngcgg ccnccctaaa ggatccaanc ttaagtacg 399

<210> 17828
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-056-Q1-E2-B11

<400> 17828

nctctgctca gtcaagctgc acaaacgcgt tgattagcat gtcgccgtgt ctcaactaca 60

taactggaaa ctctacctct cctaatcagc aatgctgtaa tcagttgagt agagtagtcc 120

agtcttctcc tgactgtttg tgtcaagtcc ttaacggtgg aggctctcag cttgggatca 180

atgttaacca aacacaagct cttggtctgc ctagggcttg taatgttcag actcctcctg 240

tcagtcgctg taataccggt ggtggtggtg gtggttctac ttctgactct cctgcagaat 300

caccaaactc ttcaggacca ggtaatggat cgaaaaccgt accagtagga gaaggagacg 360

gacccccatc gtctgatgga agctctatca agttctcant tcct 404

<210> 17829
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-056-Q1-E2-B3

<400> 17829

aaaaaanaaa aaacacaaaa aatttcaatg gccgcctcaa caatggctct ctcctcccct 60

gctttcgccg gaaaggctgt gaacctttcc cctgcggcat caagaagtcc ttgggaagcg 120

gccgtgtgac aatgaggaag actgttgcca agccaaaggg tccatcaggc agcccatggt 180

acngatccga ccgagtcaag tacttgggtc cattctctgg gcgaagtcac ccagctacct 240

taccggagag ttccctggag actaccggat gggacacaac tggtctatcc ggctgaaccc 300

cganacattc gcaaaggaac cgtnagctaa aattatccac agcaagtggg gcaagctcng 360

gagccctaag ntngcgttct tccccggacc tttgggnaaa gaaacggggt ccaat 415

<210> 17830
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-056-Q1-E2-B5

<400> 17830

cgtctctctt cgacggaacc acaaggttgt acacaagcta cgtttgccca tttgctcaac 60

gagtttggga tcactccaaa cttcaagggt ttgcaagaaa agattaaact tgttcctttg 120

gatcttggga atangcctgc ttggtacaac gagaaagtat atccagagaa caaggtgcca 180

ncgcttgagc acaatggaaa aatcattggg ggagagtctg gatttgatta aatatcctga 240

taacactttt gaagggcctt ctctttaccc cgangatcat gcaaatacan agtttgggga 300

cnagtttgct caaagtnata ctgatacttc gntnaanacn aatgtangtn gtcactcanc 360

angngaccct cctnnaagaa accccaccct ggggtttagg aattna 406

<210> 17831
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-056-Q1-E2-B7

<400> 17831

gcccaaccgc gcatacgatc gtcgacatca tggcggcaag agcccactag ccacccccc 60

cgaaccattg cgcctgggac caataatccg ccaagatgat tcacatttcc cgaagagaac 120

ccgattgtag ttccgattcc gacaaggtct ctccgtttcc acgtgtctga cagtccggaa 180

tgccgtttcc atgctttgcg atccgtacat gccgacgcgg cgcgattggg agatttccgg 240

atttgcaata tcagcccggg tcgacatctc ntcccacgat gtgtgaccgt cgttctcatg 300

gtgcattctg tgcttcaacg cgcaatggac tccngaatcc cgatntcgct gggccgttcn 360

aaaaagggac cctggattcc gtctgaaccc ctggggcgtc atganattg 409

<210> 17832
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-056-Q1-E2-B9

<400> 17832

agtanacctc tacaaggtcg agccatggga cctcccggca aggtcgcgcc tccgcagccg 60

cgactcccag tggtacttct tcagccgcct cgaccgcaag cacgccaacc gcgcgcgcac 120

caaccgcgcc actgcaggag gctactggaa gaccaccggc aaggacaggg aggtccgcca 180

tggagctagg gttgtcggga tgaagaagac gctcgtcttc cacgctggcc gcgcgcctaa 240

gggcgagcgc accaactggg tcatgcacga gtatcgcctt gagggcgatg gtgcagccgg 300

gatcccacag gattcatttg tagtgtgccg aatcttccag aaggctgggc ctggtcctca 360

aaacggggca cagtatggag ctcccttcgt cgangaggan tgggaagcgg atgaaggatg 420

atgattttgg tc 432

<210> 17833
<211> 138
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-056-Q1-E2-C10

<400> 17833

gatgaatcga ttttatagct ccgatattgt tattcatgat atttctttca ttcgatatca 60

tcgcaatcta attcatctga gtaagtttac aagcgaaaga tttctcatct ctatgggatt 120

aaatcccgag atattcca 138

<210> 17834
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-056-Q1-E2-C12

<400> 17834

tcagccggcg atcagagtca aacgaacgat taccagttaa agataaagaa aagcaaaagc 60

gttccaaacg cggatcgtgc ggcgtcaaga agctggagtt tcagcgatcc agaatcgcgg 120

aggaagagaa gagtcgctgg ctacaaagtt tattccgttg aacagaagat gaagggatcc 180

attcgaaaga gcttcaaatg gttcaaagac attatcggta tttcttgata taccttctct 240

caactttctt aaaatctctt ctttgtgctg tgagagttaa atatatctgt aacgaacaaa 300

aaattgatag tattttcttt ctcttgcaac tatatgtaga agaagagtct ttgaacttga 360

atgagacaga taatgaatga aatcagtttt caatatccaa aaaaaaa 407

<210> 17835
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-053-Q1-E1-E2

<400> 17835

ggtctttggg actctgctac tgccacatct cacgatcttt tggctcgttt ggctatagag 60

cattgcgttc acgaggctag agggcttgat gtactgccca caacgatatc tcggttcagg 120

aatggaggcg ataacgagac agcagattta ctagcgaaag ttgcgtaccc tgaagaaatc 180

actcactgtg cagctggagt aaaatggttt aagtatctat gtgaacggtc caaggatcct 240

gaattcacca tcagcagcaa agaatcagat gatagcaatg aagagataat caacaagttt 300

cattcggttg taaggggggca tttcagagga ccgttgaaac cgccttttaa tgctgaagca 360

agaaaagctg ctggctttgg gtcctcaatg gtatgaacct ctt 403

<210> 17836
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-053-Q1-E1-F1

<400> 17836

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atacgatcag cttcagtctt ccacaactta acattgctca nggtgttgga tctttctang 120

gtaaagtttg gaggagggaa gttaccttct agcattggag ggctcatcca cttgagatac 180

ttgagcttat acggagctgt ggtatctcat ctaccttcta ctatgcggaa cttaaagctt 240

ctgctctttt tgaacttacg tgttgataac aaggaaccga ttcacgtgcc aaatgttttg 300

aaagagatgc tagagttgag gtacctttcc ctacctcaag aaatggatga taaaaccaag 360

ttggnattgg gtgatctagt gaacctggag tacttgtggn aattct 406

<210> 17837
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-053-Q1-E1-F10

<400> 17837

aagctttgga ttccatcaca gaggttgtgc aaactataag acatcgtaag tctcaagttc 60

aggaatccgt gagcaatgac actatggtaa agcctgatag ttctactaca cctacacctg 120

gtagacaaac aagacagtca gatgaggctt caaagtcttt caggacacct ggacgtgttt 180

ctactccaac ggggtcaaag ctcaaaagct cgaataacag gcatgaagat cttttacgta 240

tggaacccga agaattgatg ttgagcacag aagtaatagg gcagagggac agttgggacc 300

tatcggatag agaaagggat atacgccaag ggattgatct agctaccact cttgagcgca 360

tanagaagaa attctcatca ntgattctcg tcc 393

<210> 17838
<211> 390
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-053-Q1-E1-F8

<400> 17838

aacaagtatg ttgatgactt tgttctcctt taaattatca tcacttcatt tctcagagat 60

ttacgcacac agagttctct tcttcgtcct agtttcttct attccaggtg agaagaaaaa 120

atggcgtttg tgaccactgc ggaagtgtgt gacgcgaatc aagagatgat tcgaagtggc 180

cagctccgag ctctgcaacc cgtttttcag atttatggtc gtcgtcaaat attttcaggt 240

ccagtagtta ctgttaaagt ctttgaagac aatggcttaa tccgtcactt cctcgaagag 300

aaaggcaatg gtagagttct tgtggtggat ggtggaggga gtttacgctg tgcgatacta 360

ggaggaaacc cggtcgtaca agcgcagaac 390

<210> 17839
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-053-Q1-E1-E10

<400> 17839

aagagaagaa gcaacttatc gaccttagga acagtgctga tacaacaatt tacagtgtag 60

agaagagctt gagtgaatac agagagaaga ttccagctga gattgcctct gagatcgaaa 120

ctgcagtgtc tgatctcagg actgctatgg ctggtgagga tgtcgaggac atcaaggcta 180

aggtcgaagc tgcaaacaag gcagtgtcga agatcggaga acacatgtct aagggatctg 240

gatcatctgg ttccgatgga agctctggtg agggtacaag tgggactggg cagacgcctg 300

aagctgaatt cgaggangcc agtggttcaa ggaagtgang ttgccgctaa ccggttccat 360

acanaaatca nggttttccc cccata 386

<210> 17840
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-053-Q1-E1-G1

<400> 17840

agaaattaaa agtgttcttg ttgctgtana acacanacag aacanncaaa gaatcaattg 60

aagagtctct cagtcgttag gggaagcana tatagaaatg gctancttta ctgcctcngc 120

ttccaccgtc tccgccgctc gtccggctct ccttctcaag cctaccgtcg ccatctctgn 180

tcctgttctt ggtttgcctc caatgggtaa gaanaatgga ggagtgagat gttcaatgga 240

tacaaagcaa ngaaacntct cantcatggg ggctggaatt tcagctgcag caacagctgc 300

tttgacggcn gtgatgagca atcccncgat ggctttgggt tgatgataag atgtcaacac 360

aaggaacacg attaancttt ggtctaagca aca 393

<210> 17841
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-053-Q1-E1-G12

<400> 17841

gtccgangac gcgtgggcgg acgcgtgggc ggacgcgtgg gcggacgcgt gggtgaagta 60

cagctcttgt tacttctcaa acgattcaag tagcttagag gatgcagagg aagcaatttt 120

ggctctttat tgtgaaagag ctaaagtgga agatggtcaa agtgttcttg atatcggatg 180

tggctgggga tccttgtctt tgtacattgc acgcaagtac agcaaatgca agttaaccgg 240

tatctgcaac tccaaaacgc agaaagcatt tatcgatgag aaatgccggt aactaagttt 300

ctcatacatc ttaagcttcg agttctagct gctacaaatg gaacttaata taatctcaaa 360

tggtttgaag gaaactcggg cttcaaaata tccaaatcaa tgtcnccg 408

<210> 17842
<211> 62
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-053-Q1-E1-G3

<400> 17842

acgacagaag ggctcatcgc atctttttaa aatatataaa aatacgagtg tgtgttgatt 60

ga 62

<210> 17843
<211> 387
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-053-Q1-E1-G5

<400> 17843

gaagaagcag taacaaattt ggtgaagtca cgagaatcaa cgatgacggc gacgaacaag 60

caagtcatat tgaaagacta cgtgagtggt ttccctacgg aatccgattt cgatttcact 120

accaccaccg tcgaacttag ggttccggaa ggtactaact ctgttctagt gaagaatctc 180

tacttgtcat gcgatcctta catgagaatt cgcatgggga aacctgatcc ttccactgct 240

gctcttgctc aagcttacac tcccggccag ccaatccaag ggtatggagt gtcnaaaata 300

atagaatctg gacatccana ttacaagaaa ggagatttac tccggggtat aattgcatgg 360

gaagagtaca atgttatcac tccaatg 387

<210> 17844
<211> 302
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-053-Q1-E1-H10

<400> 17844

tgtttagaat taananaann gaangcaaaa gagtcagagc cgcctagaga aatcgatcac 60

aaattcagaa gaaaagaaca gagaacacag aggaagaggt gagatggagg aacttgtagg 120

gcttctgaga atccgagtga agagagggat caatcttgct cagcgagaca ctctaagcag 180

cgacccttttt gttgtcataa ccatgggatc acaagaagct gangacccct gtttggggna 240

atnacctggg agccccccntt ttgggnccgg gnggantanc ccctggggtt aaaaaacccc 300

cn 302

<210> 17845
<211> 332
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-053-Q1-E1-H11

<400> 17845

tttctgagat aaaagtgaga gagaaatcta aattcgagag gagaagtttt aatttttctg 60

agttagattc aatggaagag atcacggaag gagttaacaa catgaacttg gctgttgata 120

cccagaagaa ggatcggatt caagtttcca acactaagaa accattgttc ttctacgtca 180

atctcgccaa gaggtacatg cagcagtaca ctgatgtcga attgtctgca ctaggaatgg 240

ctattgccac tgttgttacg gtcgctgaga tattgaagaa caatggcttt gctgttgaaa 300

agaagatnat gacatccgac cgtggggtat ca 332

<210> 17846
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-053-Q1-E1-H2

<400> 17846

cgcagcatat cttctccgat tcctattcgt ctctgcaatt gaatcttccg gtaggcgaag 60

atggcgacgt ctgcgaggat ttgttgcgga ggaggaagtg catgcgccgt tcgttgtggt 120

cgtcgcacgt taaatttgaa ttctcgatcg tcatgtgttg ttccagtgac gaatcgacgg 180

aatatgtgtg cgatcgggaa gatttcgatg tcgatggagg atttgtcacc accgtctgcg 240

gcggtgaaga ttgaaaggat cggtggaagg aaacgcggtg gatctgttgt gtcgagggag 300

aagctagatg tgtggttgag agattcggtg gttgagatcg tgaagaatct tanagagtcg 360

ccgttattga tgcatttata cgcggaggct aatggtgggt t 401

<210> 17847
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-053-Q1-E1-H5

<400> 17847

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acgctagcac ttaaaggacg aaagctgtgt tagtattctc tccactgtaa aggacaagat 120

gtcccagaag cgaaatcttc cttcttggat gagttctagg gatcccgaga ttactccgag 180

taagtctcat tgtaagaagc ctaaggatga aggaccaacc gaagagtaca acaagtagaa 240

atgccccttc caacaagtca agaacacgcc gagccaagtt caantaccac tgaattctct 300

aaacttatgg aaagcgttgg tttttgtact ttcnggcttt gntaatcctg agaggagtac 360

actgaggtca caagccttga caatggggag caactatcaa cct 403

<210> 17848
<211> 113
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-053-Q1-E1-H9

<400> 17848

tgtagaaaca ataataagtt tcaaacaagt caagatgtag tttcatggac tacctgaaat 60

atcttttatt aagctaactt agtaatctgt gaataaaaag caaaaggggt tga 113

<210> 17849
<211> 303
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-054-Q1-E1-A8

<400> 17849

caagtcacac aacagatatt cacttttgct ctgaaattag ctggagaagg aaatcctgtt 60

ttagccaagg aagctacagc aattgctatc tggtctgtga cccaaaactt tgattgctgc 120

aagcactggg acaatctcta caaggagaat ctggaagcta gtgtcgctgt tcttaaaaag 180

cttgttgaag aatggaaaga gcattcggtc aaactatcat catcaccgaa tgatgctctc 240

actctcaacc gaactatgaa aagcttcagg ctaaagaacg aggaggtcat cactgaggga 300

gga 303

<210> 17850
<211> 291
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-054-Q1-E1-B6

<400> 17850

actatgggaa gtgtacagtt gagtggttcc ggcctagtag cttctctacc tccaaatcat 60

agctttagcc acaagaccaa acttaataag ccaaattcgt acttctttcg ttcaaaacac 120

aatgccgcaa gaaccaaaac tgtccgagcc ataagcaccg caccagcgag ccagcctcca 180

gccgctgatg agcccgacga acctcctgct gtcgattttg cgttcgtcca ttcggtgttg 240

ttgccggacg ggacaccgga cgtacattgg agaagagcga acggtggaca g 291

<210> 17851
<211> 292
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-054-Q1-E1-B7

<400> 17851

cttatcaaaa actcgctctc catccaacaa aacccgaaga aagagagatt cagactcaaa 60

tctctcagta ggaatggcaa gtgaaacaga gaacatcaag tatgaagaga gtttcatcaa 120

gaacactcga ggaatgaaac tgttcacgtg caaatgggta ccagcaaagc aagagccaaa 180

ggctttagtc tttatttgcc atggatatgc aatggaatgt agcatcacca tgaacagtac 240

tgcgaggagg ctggtgaaag caggatttgc ggtatatgga attgattacg aa 292

<210> 17852
<211> 302
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-054-Q1-E1-B8

<400> 17852

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agctggtggt ggtgatgatg tgtcttatgg aagtggagga agtagcggcc atggtaatct 120

cgatagccaa ggttgagcta tggaaccaga agcttanaga tttaatcatc atttcgaccc 180

tgcaagtgtc tgattcttat atgtctatga ttcgaatgac ttactcgaga nagagagaga 240

gagatcaaac annacaaaac aaaaaagctc tttttcattt ttcctgttaa cttataagtt 300

at 302

<210> 17853
<211> 289
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-054-Q1-E1-C3

<400> 17853

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aagaccatgt atgggggctg acgcctgccc agtgccggaa ggttaaggaa gttggcgacc 120

tgatgacagg ggagccggcg accgaagccc cggtgaacgg cggccgtaac tataacggtc 180

ctaaggtaag cgaaattcct tgtcgggtaa gttccgaccc gcacgaaagg cgtaacgatt 240

tgggcactgt ctcggagaaa aggctcggtg aaatagacat gtctgtgaa 289

<210> 17854
<211> 293
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-054-Q1-E1-C5

<400> 17854

ggtgtcaatt ccaaaactaa aacccaaaac aaaaagaaaa ggaagaagca aaaacctctt 60

agaagttctc taatttaaaa aatttattca tttttcttgg ggaggtttga gtttttgttc 120

ggtggtgatg ttaggtaggg aaccaaaaga aaatgggaga agtaaagagt cgttagacac 180

acagcaatag cgagcgaacg tacgttcata tgctggcctt gtgtgtagtt tgtgttgtta 240

ttagtgtgag aagcatgaat cantatgatg aatttatgat taanaaaaaa aaa 293

<210> 17855
<211> 374
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-053-Q1-E1-A12

<400> 17855

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cattaacagg gatagatttt catggttacg agacgacgag tttgctcgcc agacacttgc 120

cggccttaat ccttatagca ttcagctagt tgaagagtgg ccgttaataa gcaaactaga 180

cccggccgtt tatggtgatc ccacctcact cattacttgg gaaattgtgg aaagagaagt 240

taaaggaaac atgacagttg atgaggctct aaagaataag agattgttcg tgttggatta 300

tcatgatttg cttctaccat atgtgaacaa agtgagagag ttaaacaata ccacattata 360

tgcttcctan aaaa 374

<210> 17856
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-053-Q1-E1-A7

<400> 17856

cgagaaaatc cagatcggga atcaacttag agaagaagaa aattaaaaaa gagaacttct 60

aaagatgaat ttggggttct tagttggagt tttcggcgtt cttattcttt ctcatgccgc 120

ttattcaaca atccaatata gaggattgtt gaagattatg gaggaagagt tttctcgacc 180

accgattaat gttattctgg agttgatcat tggactagct ctgtgtatgt gggttgcttt 240

gactttccct ggtaaatttc tctcgatcca tccggattct gatgaaaaca gggcggtgtt 300

tttaccaaga taattcggat ttcatgatat tcaatcaccg tggcagactg ttcccaccgc 360

agatcgacat gaagttttga atttttatca cactgcttag t 401

<210> 17857
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-053-Q1-E1-A8

<400> 17857

aggatcaggt ttactaaggg tgctttttac tacaaaagca acaatgtagt gacaggtaaa 60

agagtgtttt ccataaaagc acaaatcaca acagaaacag atactcctac tcctgcaaag 120

aaagtagaga aagtgtcaaa gaagaacgag gaaggtgtga ttgttaacag gtacagacca 180

aaagagcctt acactggaaa atgccttctc aacaccaaaa tcacagctga tgatgctcct 240

ggagagacct ggcacatggt tttcaaccat caagggagaa atcccgtaca agagaaagac 300

aatccgttgg tgtgattgca gatggaattt gacaagaatg gaaagcctca caaaggccag 360

accttactcc aatgcaanca accgctcctt ggagatntc 399

<210> 17858
<211> 384

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-053-Q1-E1-B10

<400> 17858

ttgaagctct tacacaagag attaagaaga agcttacacg ggctgttgtc tctccagcac 60

aaacacgcaa cttgttacaa gacttatttg ctgatatagc tctcgaagta gacgatcgag 120

ccaaagatgt gatccttagc aaagaagagg atttgattac ttctgatgaa gcagatgctg 180

atggtccgtt atgctttttc gatgtccttg ctgattacta tgtgaaagtg tctgagaggg 240

ggaaggatat acttgatttg atggtgcagc tgtggagcca gtcctttgca tcacatatat 300

tctctctact gttccataaa tggctgtttg gggttgagct cgacaatcaa gaaatactcc 360

tgcgatattc ttcggntccg gggc 384

<210> 17859
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-053-Q1-E1-A10

<400> 17859

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ggtctgcgca tttatgtaga tttgattgga cctgacgttc cacaacatat ggatggagaa 120

atgatctccc tttgcagata ttccccttgc atgggaaaag aatgtgaatg taaaaattca 180

agcaaaattc tcaattccgg gagcaaacct gctttggttt cggctgtgtc attacagctc 240

cgtagagggt tttaccatga tcgttacaat gacataacaa aggattcatt tcctccacac 300

atagtgattg ctccaaacgc aggcatcgct gcatatccaa gctggttgcc aactattgaa 360

ctgataangg agatacaant cccaccaata ttctcngggt 400

<210> 17860
<211> 69
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-053-Q1-E1-B3

<400> 17860

ctatgatatc actgtattct atttgaggtt tgttacattt tatatgaatg atattagtgt 60

agtttgcca 69

<210> 17861
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-053-Q1-E1-B7

<400> 17861

gcgttgtaaa agaaagtgtg attcacgcgc tttgcttctt ccgtttgccc taaacgactc 60

tgctagagaa gacgaaggag agagaaaatc cctccgatta tattccgtac aatccgatcg 120

atttcccggc gccagatctc accgcgactc gtctactttc cgatttggtt cgtgttgact 180

cagttacgat taaactatgg atccaatgga tatagtcggc aaatccaagg aagacgcttc 240

tcttccaaaa gctacgatga ctaaaattat aaaggagatg ttaccaccag atgttcgtgt 300

tgcaagagat gctcaagatc ttctcattga atgttgtgta gagtttataa atcttgtatc 360

ttcagaatct aatgatgttt gtaacaaaag aggataaacg ga 402

<210> 17862
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-053-Q1-E1-C1

<400> 17862

aacatttgag tacacagcaa ttatttgcag atcccacagt gcctccataa cagagtacgg 60

tggtgtanga gacggcaaga cgctaaacac aaaggccttc cagagcgccg ttgatcatct 120

cagccaatac tcatctgaag gcggagcaca gctctttgta cccgccggga aatggctcac 180

cggaagtttc aacctcacaa gccatttcac tctgtttctt cacaaagacg caattcttct 240

cgctgctcaa gacttaaacg aatacccaat tctaaaggct ttgccttcgt acggacgang 300

acgtgacgcc gccggtggaa gattcgctag tctcatcttc ggcactaatc tctccgacgt 360

aattatcacc gggaacaacg gcacaatcga cggtcaagg 399

<210> 17863
<211> 390
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-053-Q1-E1-C10

<400> 17863

tcttaacggg aactttgatt gggctagctt ggcaggtctt aatccaattc cagagctagc 60

tccgaccaat ggattaccga gttacggtgg ttacgatgcg tttcgagcgg cggaaggtgg 120

ggcggagagt gggcatgtga atcggcagca gaactcgagc gggttgactc agagtttcgg 180

gtacagctcg agtgggtttg gtgtttcggg tcaaacattc gagtttaggc aatgagagag 240

atgtgaagtt actgatgggt gaaaaaagta aaaaaaaact tggagatagt agagtggcaa 300

ttgatgtaaa taatagggat ttatatgggg cttttaccga ttccgtgaag cgtnngattc 360

cncccaangg ggaaaaggnc cccccggggg 390

<210> 17864
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-053-Q1-E1-C12

<400> 17864

cggaaaaaag aagtagaaga cgacgacgat ggcgggattt gagagctatg tggttgttca 60

caacatagca aagcgtcaca acgtcggaac tttagctcgt agcgccactg cctttggtgt 120

gacggagcta atcctcgtcg gtcgccgtga tttcaacgcc ttcggtagtc atggttcagc 180

ttctcacatc cgtttccgcc attttcactc tctcatcgaa gctcgcaact atctcaagga 240

ggagaaagat tgcgatatat gcggcgttga gattgcagat ggagcttctg cggttaatga 300

acatcctttc aaaagaaaca ctgcgtttct tctcggtaat gagggatcag gattatctgc 360

gaangaatac naaatatgcg acntcttttg tgnaaaatcc cccc 404

<210> 17865

<211> 392
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-053-Q1-E1-C2

<400> 17865

gcaagaagaa gagtgatgag gagaaggacg accgtaacaa caatatgcct caagactctg 60

gaagctcgtc ttcagatcaa tcaccgacat ttctagaaag ttccggaagc tccaacgatc 120

cgcctttacc cacagacgcc attcagttac tgagttcatc attgaacaac ctcatattag 180

ttcaactcgc tagtgaagtt tatcaagtct tgtgtggttt tcacattgtg ttactgtaca 240

ttggttttgg ttcacggtgg tggttttatc tccagacaat tggtttaatg ttcnttantt 300

aattaatacc tcctttggtg gttaaatcct tttacctttg ggtttccttt gatcgttttg 360

ggttcccctg acttttttggt anaagtttgg ta 392

<210> 17866
<211> 392
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-053-Q1-E1-C6

<400> 17866

ttctttgagg ctgagaaaga ggagaagaag gagatcccac agggaagaaa ttctaatcca 60

tggaatcatc tccttcgttc cttgacaatc nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnntggtg gtttctagca tggaagcttg 180

tattaagcca tgttcctcta gtacaagaga tctttggctt gaggaagaaa acctttatac 240

caaaacctga atctcgtggt cgaatcgcca aattctacaa aagtatcagt tctcagaatc 300

ctgttcccca atgaaatcgc aagctccgag gtttatagaa gcttcgatga tccgaaaacc 360

gaacgagtaa gaggatattc aatgtcacaa tc 392

<210> 17867
<211> 377
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-053-Q1-E1-C7

<400> 17867

gaaagatgta aggagagcaa ctggtggtag tagtgacaag acaatgaata gcaatagcag 60

taccaacgaa gaaagtttag tcaacggtga agctacaatc agctagtgga atgcaaacaa 120

gatcactgtt catatctgtg tctcgtgaga ctcattacga aaggaggaga gtttcttcca 180

acggaaccac agtttcttga agctgtgcat atatgttggc aagtctggtg tggaggagga 240

taacattttt gaagacgtca tatgttggga gattctcaga catttcatca gttctttctg 300

ttgtcttctc tcttgcaaac tcattagtcc gtttangtta cttgatatat taatgttttt 360

gactaaattt tatttgg 377

<210> 17868
<211> 355
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-053-Q1-E1-D11

<400> 17868

tgtggcaagg ctacacttgt gtttgcactt gattatcttt tcaagacaac aaaaaagaag 60

tcagcgacga tatccgtaga cgatttttac ttgactgcag aaggccaggc tgaattgaga 120

aaaaagaatc caggaaatgc acttctagag tatcgtggaa atgcaggaag tcacgatctg 180

aaactttctg ttgaaacact agaagccctg tcgaaactga ccaaagaagg cttaaagatg 240

aaggtaccta ggtacaataa gtctgcctat agtgggagag gtgacagggc cgattcatca 300

acatggcctg aagttgaagg acctctatcg gttattctct ttgaggggat ngatg 355

<210> 17869
<211> 378
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-053-Q1-E1-D7

<400> 17869

aaaaanaaaa gtaagaacga gagagagaaa gccatgtctg cgaaaacaat cctatcatca 60

gtagttttgg tggttctcgt cnccgcatca gcagcggcta atancggntt cgatnagtca 120

nacccgatcc gantggtctc cgatggtctc cgggaggtag aagaatcngt ttcccagatc 180

ttaggtcant ctcgtcacgt tctctctttc gctcgcttca ctcaccgata tggtaannng 240

tatcanaacn tggaggagat gaagcttcga ttctcgattt tcaaggagaa tcttgatttg 300

atcagatcca ccancannga aaggcttatc ttacaaactc ggtgttaatc antttgctga 360

tttgacatgg gcnagagt 378

<210> 17870
<211> 392
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-053-Q1-E1-D8

<400> 17870

caacgcggtg gttgagccag aggccatgat gatcggagga gaacaaagaa caccaagatc 60

tccttacgaa tggctcaaat ctacggcgca ggagctagag ttaagagatc ggtgccggcg 120

tgtgaagtca cgtatcaagg ttacgtgtcg taacaacaat tgtgcttata ataattgtgt 180

tcatcatcat tatcatagcc agagttatcc tggagatttc agttacgatc cgttgagtta 240

cgcgctcaat ttcgaggata atgtgagagc tgatgacgat ggttcttttc ctaatttcac 300

ggcgaggttg cctcagtcgc cggtgaccaa gacgagatcg gcgacggttg atttgatctc 360

tttctgacgg aataattaat tacaaaaaga tt 392

<210> 17871
<211> 376
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-053-Q1-E1-D9

<400> 17871

ttaagagttg gtatagtata ctcttacaat gacagggtgg ttcagatcgc aaggaaaatg 60

tcgagtttcg gtcttgtttc gtcacaaacg cagcatttga tcgctaaaat gttatccgat 120

gaagagtttg tagacgagtt tatccgcgag agcaaattgc ggttagctgc aaggcacgct 180

gagataacca ccggtttaga tggtttaggg attggttggt taaaggccaa agccggtttg 240

ttcttgtgga tggatttaag aaatcttttg aagacagcaa cgtttgattc ggaaaccgaa 300

ctatggcgtg tgattgttca ccaagtgaag ctcaacgtgt ctccaagcgg ttcgttccaa 360

tgccangaaa ccggga 376

<210> 17872
<211> 361
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-053-Q1-E1-E1

<400> 17872

aaaagagatg gaaagaaaaa agttttcttc aaaatttatt catttgctca ttgtgttttt 60

gcttctttgt acgtttcttt ctcgtaccga atctgctctt ccttatcacc atgaactgtt 120

cttggggagg aagcggatga attattataa gcccaacagt gccataggaa caccatcatc 180

aactagtgac cacgctccag gcagtaatgg gaggaagttg atgagtatat atagacccaa 240

tggagacata tttacaggac catcaggcag tgggcatggt gggggtcgca ctccaacccc 300

ctaagtatat atatattaat gtgtaatcaa ggactcacaa gcgaagcntt taattctcga 360

t 361

<210> 17873
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-052-Q1-E1-D6

<400> 17873

gtgaacttgg attgatagat gatagacgat ggaagttata ccaagagaag caagcaagga 60

tttcagaaga gaagaagaga ctgaaaactg tcaaggtttc agttgcagta ggtgatttgg 120

ctgccgaagt ttctagtgtg tcttctcagc cagtcaaaga atcagcgaca ctagagagtc 180

tcctaaagaa accacatatc cactacaagc ttcttgagaa gcatggcttt ggaaatgaaa 240

cattatctag aatggagaaa gactgtgtag agatcgatat aaaatatgaa ggtttcattg 300

ttcgccagca aaaccaactg cagcagatgg tccaccaaca acatagacga cttccagacg 360

atttggatta ctattcgatg acaactctat cccat 395

<210> 17874
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-052-Q1-E1-E1

<400> 17874

gaaagaccat cactttggaa gtggagagtt ctgacaccat tgataacgtg aaagccaaga 60

tccaagacaa agagggtatt cctccggacc agcagagatt gatcttcgcc ggaaaacaac 120

ttgaagatgg cagaactttg gccgactaca acattcagaa ggagtccaca ctccacttgg 180

tcttgcgtct gcgtggaggt atgcagatct tcgtgaagac tctcaccgga aagaccatca 240

ctttggaggt ggagagttct gacaccattg ataacgtgaa agccaagatt caggataagg 300

aangaatccc tccggaccaa caagaagttg atctttgccg gaaaacaatt ggaggatggt 360

cgtactttgg cggattacaa catccaagaa aggagtccga cccntc 406

<210> 17875
<211> 248
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-052-Q1-E1-E2

<400> 17875

aaacacaaca tatccacaat acaaaacaca actttcatat ataacaaaaa aagttataga 60

aatggccaaa gacgtggaan gacctgangg atttcagaca agagactacg aagattcgcc 120

accaactccg tttttcgatg cggacgaact taccaaagtg ggtccttata cagagccgtc 180

antgccgaat tcgtagccac tctcctcctc cntgtacatc ancgttttta actgtcatcn 240

gttacaaa 248

<210> 17876
<211> 486
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-052-Q1-E1-E3

<400> 17876

ctgtttacgc ctgncccgta ggcgtccgaa aattcccngg tcnacccacg cgtccgccca 60

cgcgtccgcc cacgcgtccg tacggctgcg agnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn ncttgttgta gcagttgaag cnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnntgg ctctgaatag tgtctcctct 240

gaagaattta ccttcccatc gctagcttct catgattctt ctcaccattc cggtcttgat 300

tcacctcctt tgtggagaca ctcaccggtt acttcctttc gccggaaaga ttacgacttt 360

ggtttggcaa gattagtcat tggaaaagac ggtgatcatg atcagaggaa gagcttctcg 420

tacgtggaga tgagaagtcg ttggatngac gacaaagaan angagaaaat ggatatgtta 480

tgggaa 486

<210> 17877
<211> 345
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-052-Q1-E1-E4

<400> 17877

ctcacaaact cntctttcag tcatcacaga aaacaataaa aacaatggcg gataagctca 60

ctgacgatca gattacagaa tacagggaat ctttcaggtt attcgacaag aatggtgatg 120

gttccattac gaaaaaggag ctcggtacca tgatgcgttc aatcggtgaa aaaccgacaa 180

aagctgatct tcaggacttg atgaacgaag cggatttaga tggtgatgga accatcgatt 240

tccctgaagt tcttgtgcgt aatggctaag aatcaangtc atgatcaagc nccgcgtcac 300

actaaaaaaa caatggcgga taagctcact ggacgatnag attac 345

<210> 17878
<211> 484
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-052-Q1-E1-D5

<400> 17878

aactgttccg cctgccggta anggtccaaa attcccgggt cnacccacgc gtccgcncac 60

gcgtccgccc acgcgtccgt acggctgcga gaagacgaca gaaggggacc atcgtcgtca 120

atggaaacga gaatcctttg acctctcctc tcagtcgtct ctctctctcg ccatctccgc 180

cgtcggtctg aggcatcatc ttggtcgaag aagaatcagc atcaacttcc atcacgctca 240

cgaaattggt cgaagaagaa gaatcagccc ttcttttggt tggtgaagat ttggcgaaga 300

gcaacggcaa gccaaagatg aaaaactcat gaaattcgat gaaatcgaag agaatagagg 360

caatcttggt tcgtgaagca gaagcaagat tctactgcac acgttgatat cacangctat 420

caatgctggt ctctgtgtca gagaagagaa attggcctga tgcccacaac aagaaaagca 480

agga 484

<210> 17879
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-052-Q1-E1-E6

<400> 17879

ggcagagatt tcatcagttt gctttttggc tttttacgtg tcttcatagc ttattggaat 60

ttaaaagatt aaaaggaaag aaaaaattct gagagagaga tgggaatgag tggnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnntca ccataccgaa 180

tctactttgc cctctgatag tgaacaactc tcaataactg ggagcagatt gatgagtata 240

atatataagc caaacggaga catatataat atcggaagca gagtatatat atcaccttga 300

agcagtggac atggtggtgg tcacattcat caacattacc ttccttangt tttgggccag 360

tatacaaagt tgtgtaataa ttcaccaagc ata 393

<210> 17880
<211> 388
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-052-Q1-E1-F12

<400> 17880

cagaatctga gatcggacct ttagagagag agagaaagat gcagagggac gtgtcgagct 60

gcaacactta caactatgga gacgctctct attgggacgc tcgttacgtg caagacgcgc 120

tttctttcga ctggtaccaa tgttactctt ctctccgccc ttttgtccgc agcttcgtct 180

ctacttcttc acgagtcctc atggttggct gtggcaactc cctgatgtca gaggatatgg 240

tgaaggatgg gtatgaggac atcatgaatg ttgatatctc ttcagtggct attgagatga 300

tgcaaaccaa atatgcatct gttcctcagc tcaaatatat gcaaatggat gttagagata 360

tgaagttact ttgaagacga atccttgt 388

<210> 17881
<211> 385
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-052-Q1-E1-F3

<400> 17881

cactccatca tgcggcgaac gggattaccg gcgcgtgatc ttaggattct cgatccactg 60

ttgtcgtatc catttactgt tttaggtaga gagagagcga ttgtcatcaa tttggagcat 120

atcaaggcaa tcatcactgc tcaagaagtt ttgttgctta attccaagga tccttcggtc 180

tcacccttta ttgatgagtt gcagaggcgg attctctgtc accatcacgc cactaaacct 240

caggaggagc agaactctgg gggagagcct catacgaggg tagatcctgc ccaaggagaa 300

gctggaacgg aacaatcttc tggggatcaa gggagtgaag ccaagaagga tgcgaagcaa 360

agtcttgaga atcaagatgg attga 385

<210> 17882
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-052-Q1-E1-F8

<400> 17882

gtccgnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnaggca cggcggcgga aggtataacg gagagactct cttctctcga caatctctat 120

tttccacgcg ccgtccaatt aaccgctgca tcttccgacc aacgcaaatc catcctcctc 180

gacctcctcc gtcgtgatcc cgccgttttt ctagagagat atggatcgga gctactagta 240

gatgaattgc ttgagtttga tgctatgaaa catgactacg angttgattg gcatttgaaa 300

aacctgcgga agaagataag tccgacttca gaagagatta aatcgangtc tgtagctgtg 360

angaatagga gattggctta attgaataag cntg 394

<210> 17883
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-052-Q1-E1-G4

<400> 17883

agagctctga cngcatcagc cacctctgcg gcttcncaaa tccaaataag ctgtggatga 60

aacgaagaat cctagatttc tgaatggcga caccatttat agcgggggtt gcantanctg 120

caacagcact tgctggtaga tatggaatcc aagcatggca agcattcaag gcaaggccac 180

caangcccaa aattaagaaa ttttatgagg gcggtttcca gcctacgatg acgaaaaggg 240

aagctgctct cattcttggc gtcagggaga gtgtancggc ggaaaangtg aangaagcac 300

acangaangt aatggtagca aaccatccag atgcaggtgg taaccatttc ctaacctcct 360

aagatnaatg aagctaaaga cntatgctaa gcaaaactaa 400

<210> 17884
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-052-Q1-E1-G5

<400> 17884

atctagaaca aagggctgga atgacttccc acatggacgt tggggtgatt cacacagtgc 60

agcatacagt acactttcgg attatcagtt tgcgcgccca aaagaacgtg acaagaagct 120

tcagcaagaa tgggtcgtcc cactgaaaag cattgaagat gttcaagaga aattcaaaga 180

gctctgcatt ggaaacttaa aaagcagccc atggtctgaa ttagatggac tccagccaga 240

gacaaagatc ataaatgagc aactcggaaa aatcaactcc aacggtttcc tgaccattaa 300

tagccaacca tcagtcaatg ctgccaaatc cgattctcca gctattggat ggggtggtcc 360

tggtggttac gtctaacaag aaagcttatc tggagt 396

<210> 17885
<211> 195
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-052-Q1-E1-G9

<400> 17885

acggcccaaa attcccgngt cnacccacgc gtccgaattc gagcggccgc nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnaaac acactccttt 120

tattaatcat aaagttcata aaattaaaca agaagacttt tcattaaaag tctcctatat 180

ttttggtaag atact 195

<210> 17886
<211> 55
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-052-Q1-E1-H10

<400> 17886

acccccctgt ntcngngcaa taaacncngc gggggttttg ggggtcaccc cccan 55

<210> 17887
<211> 373
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-052-Q1-E1-H12

<400> 17887

agctgtggaa gaaaggccaa accccatgtt tcattgcttg tactacactc gtcgaagggt 60

tgaggaaatc aggaagaaca gagaaagcgt cagggtttat ggagaagatg atgaatgcag 120

gaattcttcc cgatagtgtg acatttaact tgcttcttcg ggatctctgc agttctgatc 180

attctactga tgcaaacaga ttgagacttt tggtatcaag caaaggatat gaacccgatg 240

agacaacgta ccatgttttg gtttcggggt tcacgaaaga agggagaaga aaggaaggag 300

aagttctagt gaacgagatg ttggataaag atatgttgcc tgatatcctt acatataata 360

aaatgttggn tgg 373

<210> 17888
<211> 236
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-052-Q1-E1-H3

<400> 17888

gcacactcgc acatgggaac aaaagaatct gtcttcttct ctgttctatt atttatactt 60

acttggtaaa atatctttct tgtgcagaac agaagaaaaa gaaacaccca tggctctgtt 120

ttctagcgtc tcagtttccg cgtttctctt gatcgttgta tcggttcaat ggactctggg 180

tttgcagtga atccacaatc ttaacttctc ctgctgtttt ancgtatatc aaatgc 236

<210> 17889
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-052-Q1-E1-H4

<400> 17889

tanctgttcc cgcctgccgg caaaaagttc nagggtccac caacccgtcn taacggcngc 60

aaangacaca gaagggacag ncccanaatt ncaattgatg gnanaattan cgacaaattn 120

ganggtnctn gtnatttcan cacaaaaggg tcacgctctg atgttcccaa agggtggttg 180

ggagcttgat gaatctgtag aagaagctgc gtcaagagaa tctctagaag aagctggagt 240

tgttggaaac gttgagagac aacttggaaa atgggatttc ttaagcaaaa gcaaaggaac 300

attctatgaa ggattcatgt tcccaatgct tgtgaaagaa gagcttgagc tttgacctga 360

acaacatctt cgtcaaagaa tttggatgaa agttgatgaa gcaagagacg cttgtanaga 420

ttggtgggat gaangaagcc gttagatgtt ttggtccaaa ggctttccnt ta 472

<210> 17890
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-048-Q1-E1-E3

<400> 17890

aatggaagga gttcatagct ggacttcaca agcagaagac tgagcttttc atggttctta 60

tcgagaaaaa gctgcttccg cttcgacccg gtgttgcaaa gttggttgat caagctttaa 120

caaacggagt caaagtagct gtgtgcagta cttcaaatga gaaggcggtt tctgctatag 180

tttcatgctt gcttggacca agaacgagca gagaaaatca agatattcgc aggagacgta 240

gtccccaaaa gctgcgggaa tgacttgtat agttacaaag agtggataca cggctgatga 300

agatttcgag aacgcagatg cggttttcga ctgcattgga gaccctccag aagagagatt 360

tgatttggca ttctgtggaa gtcttctccg gaaacagttc gttaagttaa aaactacaaa 420

<210> 17891
<211> 257
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-048-Q1-E1-E4

<400> 17891

atcagagaat tggtaagtag taagaaccct agctttagat tcgtcagatt ctgattactc 60

gaatcaaagc agggtttttg acactgaaaa tccgatctcg tgaagtgtgt tttgcatcga 120

atcggaaaat atgaaagaag ggaaatcatc gaaagtcgtc gagtcaacaa gagcagcatg 180

aacagattta tcatcaaaac agtcacttgg gttctttcaa cttcgccaaa ttgtttgatt 240

ctgaaagctt cctggga 257

<210> 17892
<211> 371
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-048-Q1-E1-F4

<400> 17892

cngctaagaa nacgacagaa ngggtacggc tgcgagaaag acgacagaan ggtactgctg 60

cgagaanacg acanaacggg tancgctgcg ataagacnac ataangggca ngaacaaang 120

tcaangttcc aactttcctt gtcccggcta ctcataacgt gtggatggat gtgtatgctc 180

tcccggtacc tgnagcaggt ggaaanacat gtgcgcagat ctttgaagaa gctggctgtg 240

acacaccagc cagccctatc tgtggtgctt gccttggtgg cncaacatac acctacgctc 300

gcttgaatga acctcaagtc tgtgtctcaa ccgaccnaca cgaacntccc cggtcccgat 360

tggacacaaa n 371

<210> 17893
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-048-Q1-E1-E10

<400> 17893

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gtcttattct ccagtcggcg gctagatctt tgcggtcgtc gccatgagaa tctatccgtc 120

gtttcgtcct cacaaccgtc tctgatgcca aagcagagat ggctttatat tcccgagacg 180

aggttgaaaa gagaggtttt aaagctcgat gtcgtcggaa gagctgctga ttccacgagc 240

tcttctccat cagtagcttc cggtgataga accttaattc ctgatgatga attcacttta 300

gccaagattt catttggtgt tattgggcta ggtctcgggg tttcgctact ctcgtatggt 360

tttggggcct attttactat ccttcctgga actgagtggt ctgc 404

<210> 17894
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-048-Q1-E1-F6

<400> 17894

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gatgcttctc aggaaaacaa accttctaac ggcaacaagt ccggcgattc cgcggctccg 120

aaatcgttcg gtttaaacac ggattggaga gagttcagag cgaacttgtt tatgaaagag 180

caggaagaaa aggcggaagc tgagggtcat gaatcggaac ctataggttt gaaatgggca 240

catccgattc cgtttcctga gactggttgt gttctaagtt gctacagaga agctagatgg 300

ttatagaaca tttgcgagaa ctgttgtgct tcttcttaag agcaggtact agacacccac 360

aagaanggcc gtttggtgtt gttaacaacc gttcacttca tana 404

<210> 17895
<211> 322
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-048-Q1-E1-F7

<400> 17895

tggttggagg ttttgggctg tggggtgacc gagcaagtaa ttctgaaaca aagtggatta 60

gaaaataatg ttgcttgggc cttcggactt ggacttgaga gacttgctat ggttttgttt 120

gacatacctg atatacgatt tttctggtca tccgatgaac gattcacgtc ccagtttgga 180

aaagganaac ttggagtgaa attcaagcca tattcaaagt atcctccttg ttacaaggac 240

atcagtttct ggataagtga tttgttcaca gagaataatt tttgtgaant tgttagagga 300

attgctgggg atcttgttca an 322

<210> 17896
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-048-Q1-E1-F9

<400> 17896

gaggaacagg tgtttgacct cacggaagtg aagccgcatg agtttgttcg atacgggttg 60

gggtgtttgg agaaagtggc agcggaagga gatgaatgtg caaaagaatg cagagcaagg 120

ttgaggatta tggttgcagg aggtgatggt actgttggtt gggttcttgg atgtcttgga 180

gagcttaata aagatggaaa gtcgcaaatt cctcctgttg gagttattcc tctcggtaca 240

gggaatgatc tttcaaggag ttttggttgg ggtggttcgt ttccttttgc gtggagatct 300

gctgttaaaa gaacactcca tcgcgcaagt atgggtccaa gttgctanac ttgacagctg 360

gaagatttta agtgtcaatg ccatctggaa gaagtcgtan attctcctta atccttaaaa 420

nccgcc 426

<210> 17897
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-048-Q1-E1-G10

<400> 17897

gaaactcaat ccttgtatat tcaacggaga gagatctgcg agagaaagag agatcagatt 60

ccggtgttcc aaggaagcac atattttaag atccaagaat cgcctgagag atgtctacct 120

tcagtggcga tgagaccgct cctttcttcg gcttccttgg cgctgccgct gcgctcgtct 180

tctcatgtat gggagctgcg tacgggacag caaagagtgg tgtgggagtg gcatctatgg 240

gtgtgatgag gccggagttg gtgatgaagt ctattgtccc agttgttatg gctggtgtgt 300

tgggtatcta aggtttgatt attgctgtta tcatcaagta ccgggattaa acccaaaggt 360

aaatcccact aactccttcg aacggtaatg ctcaaccccc cttcnggcct tg 412

<210> 17898
<211> 287
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-048-Q1-E1-G11

<400> 17898

gaagaaaatg gatgaggagc catccaagga gactagaaat gatagtgccg gagaagaggt 60

tttgaagaac tgtcatgttg aagaagataa ggaaaaagaa gctcaagaag gttgcagtga 120

aagaagtgat aaagaatatg agagggttgg tggtggggct aagagggtag agcaggtgga 180

gattgagtta aggaagaaaa gcgccgtang agaagatgac ctgaactgta ctgttagaga 240

agatggagag acagaaaact tacaagaaat tgaagaagag tgtcacg 287

<210> 17899
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-048-Q1-E1-G2

<400> 17899

tgaaagatca atttttggca attagtggtg aagatttgaa tcagagatgg gtttttcttc 60

tttcatttct cagcctttgt cttcatctct ctcggtgatg aaacgcaacg tttctgctaa 120

aagatcggaa ctttgtcttg attcttcaaa gattagatta gatcatcgtt ggagcttcat 180

tggaggatca agaatctctg ttcagtccaa ttcttacacc gtagttcaca agaaattctc 240

cggtgtacga gcttcataat ctcttatatg ttcatgttgt agggttaact actactcaga 300

ttgcaagcag tgtatttgcg gttggaacta ccgcggtttt acccttctat actctaatgg 360

ttgtagcacc aaaagctgaa attaccaaga agtgtatgga gagt 404

<210> 17900
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-048-Q1-E1-G8

<400> 17900

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ttctctgaga ctagctttga ttcaaccatg gctaatgcag catcaggaat ggcagtccat 120

gatgactgca agctgaaatt tatggaattg aagacgaaaa ggacacaccg tttcatcatt 180

tacaagattg aggagctgca naaacaagtg attgttgana aaatcggtga accgggtcaa 240

acccatgagg accttgctgc aagtcttcca gctgatgaat gccgctatgc cattttcgat 300

tttgattttg tcagttctga gggtgtccca aggagcanga ttttttttcgt ggcatggtct 360

ccggacacag caangagtga gaaagcaaga tgatctatgc gagctccaaa ggacagg 417

<210> 17901
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-048-Q1-E1-H11

<400> 17901

agaaaaagaa gagcagagca aaatccctaa aattttaaac tctgttttgc tttccgacaa 60

tcaaacccta ggggttgcta aagggaaagg agagagatgg gtggtgaaga ggaagttgtt 120

tctgttgagc taccagcacc ttcttcatgg aagaaattgt tttaccccaa caaagtgggt 180

tcagtgaaga aaacagaggt tgtgtttgtg gctccaacgg gtgaggagat tagtaataga 240

aagcagctgg agcagtatct caaatcgcac cctggaaacc ccgcgatcgc agagtttgat 300

tggacgacta gtgggacacc taggagatct gcaagaatca gtgagaagac taaggctacg 360

ccgtcaccaa gataaagagt cacccaagaa gcgaggtaga accaaatctc cagtgtcaaa 420

<210> 17902
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-048-Q1-E1-H3

<400> 17902

gaagaactct ctgtnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnatctc agatttcgtc 60

aacggaagct gttttccttg gagctctagc tccaggcgtt aatggtccaa catggaacac 120

attgagattc gcgtttctgc tactgggtct atgtctagct ttcatgctct ctgtagcttt 180

caccagtggc caatcaatgt tgcttgttca tgttggcttt ctcattgtta ncgcatctac 240

tctctttatc ctcctcaatt ggtttcttgc tcagacaggc ttagtacaag tggaaacaca 300

aaatgcagga gctgaatttg ttaccgaatg ataaaaacaa aatgaatatg gtcacaccgg 360

taagaangca acgccttgtg taacaggaac aacagttaac aaccagattn t 411

<210> 17903
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-048-Q1-E1-H6

<400> 17903

cagancaaga aaactaacat ttannattgt tgttcagctc gctcttgatc tcgctagagg 60

gttgagttac cttcattcgc agaagattgt tcaccgagat gtaangacag acaanatgtt 120

gttagacaaa acccggnttg ttaaaatcgc atgattttgg agttgcgaga gttgaagcat 180

ctaaccctaa tgacatgaca ggagagactg gcacacttgg ctacatggcg cctgacgttc 240

tcaatggaaa cccgtataat cgaaaatgcg atgtntacag tttcgggatc tgcttatggg 300

acgatatatt gctgtgacat gccataccct gaccttactt tctctgangt cacttcagcc 360

gtcgtccgcc ataacctgan acccgatata ccgacgtgtt gcccgagcgc acttg 415

<210> 17904
<211> 132
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-048-Q1-E1-H9

<400> 17904

ggctgcgana agaccacaga agggtacggc tgccanaaga cnacagaagg gtacngcttg 60

cnagaagacn acanaatggt acggctgcca agaaagacna canaanggtt acggnctgca 120

acaagaccac ac 132

<210> 17905
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-049-Q1-E1-A10

<400> 17905

tgtaaagcag tggacagaga cgacgatgag tacgatgaag ccaagccgga gcgacgaaat 60

atccgacccg gaacagcaga tcaagaacgc gaaccagatc agagctgatt tcgattcctt 120

ggctcccaaa cgacccacta aacccactcg aagcgaaccg ggatttcctg gatctttctc 180

tgcttccgac aaaatcaccg accatcctga agctgacaaa ttccaatctc tccagtcaca 240

anctcatggt aaaagttcta angtgaggga gattcatctg caagttcaaa gatgagttcc 300

tggaaacaga gtattactca aatctcaacg ccattgataa agcaacntca caacgaaccg 360

ggaanttggg ttttataaat gtgggtgaaa ggg 393

<210> 17906
<211> 381
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-049-Q1-E1-A12

<400> 17906

aacacataac ccactcnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnctaacaag tttccggaga ggcaaccgat 120

cggaacttcg gctcagagtg acaaggacta caaagagcca ccacctgcgc cgttgttcga 180

gcccggcgag ctagcttcat ggtccttctg gagaactggg attgctgaag tttataacta 240

acgtttttgt tcctgtacat cactgttttg actgttatgg gtgtnaagaa gtcacccgaa 300

catgtgtgct tccgtcgggn atccaanggt atncccntgg gctttccgtg ggaanatttt 360

cgctcccctc ttaaaggggc n 381

<210> 17907
<211> 388
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-049-Q1-E1-A3

<400> 17907

agcagaagta acggcaacca aaaatgacga caatggcgac acaaggcgct tggctacgaa 60

tgacctcatc agccaagtcc atgaccaagt caaccgtgac ttcaaaggag cttggattcc 120

tcacctccca gctcagcggc ttaagaatct catatactcc cagtgacgtc atcaaccgta 180

tctcccttcc ttcgttcccc gggattcagc caatcgtcgc acgtagaatc tgccctttta 240

ctgggaanaa agcaaacaga ncanacaaag tttcattctc taaccacaag accanagaaa 300

gttgcaattt cgtcaactta cnatacaaga nagtttggtn gggaagctgg caaaacgttt 360

ttgtccaaac ctccgtttta tcaancta 388

<210> 17908
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-047-Q1-E1-G5

<400> 17908

ttcatctaaa aactcctcct ttcatttcca aacaaaaact tctttttatt ctcacatctt 60

aaagatctct ctcatggcga tgtctttctc aggagctgtt ctcactggta tggcttcttc 120

tttccacagc ggagccaagc agagcagctt cggcgctgtc agagtcggcc agaaaactca 180

gttcgtcgtc gtttctcaac gcaagaagtc gttgatctac accgctaaag gtgacggcaa 240

catcctcgat gacctcaacg aggccacaaa gaaagcttca gatttcgtga cggataaaac 300

aaaagaggca ttagcagatg gtgagaaagc gaaagactac gttgttgaaa aaaacagtga 360

aaccgcaaga tacattgggt aaagaagctg agaaagctgc ggcgtatgtg 410

<210> 17909
<211> 115
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-047-Q1-E1-G8

<400> 17909

ttggtgagag catgcttatg ttcaccccca cacatgagct cagtttcttc ttgtaataga 60

ttattgacat ggtaattgta tgtaccacaa taaatacatc tatataatat ttcga 115

<210> 17910
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-047-Q1-E1-H3

<400> 17910

gccaaaagaa aaatggatat gtcgcttgcg ttatcgacgg caccaatgag taggacgatt 60

atctctgcca cgaggcggtc ccaaggttca caacctaaag ctaagaaagt caagccggcg 120

aataagcggc caacgatgtc gacaagcggt ttctccggcg gaacgacaaa ggagttgact 180

tggaagtgcg tagaaggttg tggagcttgc tgtaagattg caaaggactt ttcctttgca 240

acacctgacg aaatcttcga caaccctgat gatgttgaag ctgtatcgaa gcatgatcgg 300

agatgatgga tggtgtctaa actacgacaa agctacacgc aaatgctcta tttatgctga 360

tcgtccatat ttttgtcggg ttgaaccaga ngttttcaag tcactctacg ggattgaag 419

<210> 17911
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-047-Q1-E1-G4

<400> 17911

gacgcgggga aagctttttg gnaaaatggg aggtggagga agccaagatc ttgctcggct 60

ttcctcctaa ttctcgtccc cgatccttct caggttaaag ctgcttacag gaagaaagta 120

tgggaatcac atcctgactt atttcctgat gatcagaagc ttgttgccga gtctaagttc 180

aaatcgatat ctgaagctta ttcttgccta gagtctgatt tgactccttt ggagctattg 240

ttgttggaat tggaagaatg agaataaaat ctagctcatt tggggttaca agtctgcaga 300

atcaggacac gtttactctg ttttatatac ttcgatacat tccataacca ttatctctag 360

tacaatatca agctttgtaa tttccaacat tggtctctgt ttgcangtga t 411

<210> 17912
<211> 92
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-047-Q1-E1-H4

<400> 17912

ggctgccata anacnacaga acgctacngc tgcnaaaata cnacagaang gtacngctgc 60

gaaaaagacn acagaaaggt accgctgcca na 92

<210> 17913
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-048-Q1-E1-A1

<400> 17913

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attattacac aaactaggaa actgatatct ctctattcac attcctctga ttctatttct 120

ctttatatat attcacccat taaccatctc aatcttataa ccctcaaaat cacaatcttc 180

tcttacaaaa aactttgaaa gatgaagatt cttnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnntttcttc 300

tacttcgtcc aacaatgggc aggatnatac tggtgacaca caagaagaag tgttgttatc 360

caagttcaag gnaaaccaac ttctgaattt tggnaattca tgggccttgg gcctaantaa 420

aa 422

<210> 17914
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-048-Q1-E1-A10

<400> 17914

cnanaagaat actctgaaat atcttgaanc tgcgacagga aaaatggacg cggcgatagg 60

gaaggttttc gattccgtct cagacttctt ctccggcgct gcttctgctt ccgccgatga 120

gtttcccttg tgcgattccg acatcatctc cggatgtgag aaanaacttg cagaggctca 180

agacgaanga cgtaanaagg aatgcattat gcntctttca tgggctcttg ttcattcaaa 240

gatgccttcg gatattcaac gtgggattgc aatgcttgaa gctttggtgg ntaatgatac 300

aantgcaatg aaacttangg agaagctata tctccttgct cttggttact atcgaagccg 360

gtgacttttc angaaaccgg gattgtatan aacggtgttt ggangttgaa ccgg 414

<210> 17915
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-048-Q1-E1-A2

<400> 17915

agaagcatga ccgtagggaa gttcgtcacc ctcatttgtc tgagagagac taccagacgt 60

atgatcatct tacttctaga cgggaaatct tggttcgaaa ctcgcctgac ccaccagatt 120

cagcggttac tctggattcc tacaggagag atccgtatta catttgtgag cgccatgctc 180

ttgaaagacc accaaggaca tacatggttt ctccaggtag acaagatgat gacctgtatt 240

cccggtatgt aacaccggat tcattggctg agtactaccg atcatcacaa agatacccaa 300

gcgtaactga acctgagctt ccgccttcgt tagtaacatc ccgggtatgc ttaatccccg 360

gtcccnttgc cttaantctc aanggctgaa aatcangaat gtgttaattc nccctaa 417

<210> 17916
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-048-Q1-E1-A5

<400> 17916

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acgcgtccgt acggctgcga gaagacgaca gaaggggtc ggagattacc aacaagagct 120

ctctccaatc gtcgtctctt tgatatatgg cgtctcagcc tgcaggtggc agtcctccta 180

aaccttggga aaaagaagga aatacatctg gtcctaatcc tttcaggcct ccttctaata 240

ctagcacggc tggttcagtt gaggcttctg gcacagctaa tcctggtgaa gtagttcctc 300

cgcccgtgaa caggcctaat acagctgcta atatgaattc actcagtagg cctgtaccgg 360

ctagaccttg ggaacagcag aattatggga gcactatggg gggaggttat ggttcaaatc 420

tangtatgac tctgggtatg ggtcaaggta catatggttc agcattangt gggtatggtt 480

catcatatgg gtggtgggat gt 502

<210> 17917
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-048-Q1-E1-B11

<400> 17917

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gtcttattct ccagtcggcg gctagatctt tgcggtcgtc gccatgagaa tctatccgtc 120

gtttcgtcct cacaaccgtc tctgatgcca aagcagagat ggctttatat tcccgagacg 180

aggttgaaaa gagaggtttt aaagctcgat gtcgtcggaa gagctgctga ttccacgagc 240

tcttctccat cagtagtttc cggtgataga accttaattc ctgatgatga attcacttta 300

gccaagattt catttggtgt tattgggcta ggtctcgggg tttcgctact ctcgtatggt 360

tttggggcct attttactat ccttcctgga actgaagtgg tcctgctata aatgctaaca 420

tatggatttt c 431

<210> 17918
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-048-Q1-E1-B2

<400> 17918

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gcttgttccc gttgacgctg ctggacttgc tcttagtacg ttccaagtag tgttggttcc 120

taccataatt ggagttctgg caaatgagtt ctttcctaaa tttacgtcta agatcataac 180

agtgacgcct ctaatcggag tcattctgac tactctgctc tgtgccagcc ctattggaca 240

agttgcagat gttttgaaaa cccaaggagc tcaacttata ctcccggtgg cactccttca 300

tgctgcagcc tttgctattg gctattggga tttcaaaagt tttctttcgg cgagtccact 360

tcgcgtanca tttctataga atggtggaat gcaaagttca gcgntcgggt ttcttg 416

<210> 17919
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-048-Q1-E1-B3

<400> 17919

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agcggaatcg gttatgccat agtagaagag ttagctggtt ttggagctaa aatccacata 120

tgtgacatat ccaaaacttt gctcaatcaa agtttaagcg aatgggaaaa taaagggttt 180

caagtgagtg gttcagtatg tgatgtaacc tctcatcctg agagagaaaa actgatgcaa 240

accgtctcct cgattttcga tggcaaactc aacattcttg taaataacgt gggggtactt 300

cgcggaaagc caacaacaag aatatgtggc aagacgattt cacttttcat atatcaacta 360

acttggaagc tgcttancat ttttgtcaac tttcacatcc tctcntaaag gcttcaggct 420

a 421

<210> 17920
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-048-Q1-E1-B6

<400> 17920

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aagcttcaac gagaaaagat cggaatctcg ccgtcggtaa agcgccgccg taagtaaaag 120

acggaaaacc agaagaagga ggagattgta tttatgtgta gcagcgttta gtgtgaggaa 180

ggaggagatt ttgtatatag ttagaatttg cttcgaagac gatgtcgctg agaattaaat 240

tagtggtgga taagtttgtg gaggagctta agcaagcact tgacgctgat atacaagatc 300

ggatcatgaa ggagagagag atgcagagtt atatagaaga gcgtgagcgt gaagtcgctg 360

agcgagaaac tgcctggaaa gctgaactcc c 391

<210> 17921
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-048-Q1-E1-C6

<400> 17921

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agaagaggag gaataagatt cgcgataaac ggccactcat acttcaacct tgtgctgatc 120

acaaacgtcg gtggtgccgg agacgttcac tcggcggcga tcaagggttc aagaacagtg 180

tggcaagcta tgtcaaggaa ctgggggcaa aattggcaaa gcaactctta cctcaacggt 240

caagcacttt cctttaaggt caccaccagc gacggccgca cagttgtctc cttcaacgcc 300

gctcctgccg gctggtctta tggccagact tttgccggtg ggcagttccg ttaaaaangg 360

caagttggtt aatctctctt ccatttatct aaagtanact catttgtgtg gta 413

<210> 17922
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-048-Q1-E1-D1

<400> 17922

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tcgtgtggtg tcgtttctaa ttgtgatttt ttaatattgc atcaaaatgt cgaagaagag 120

gaaggctcgt agcggctact tgaagaagtc atcacaagga ggagacgaag ctgtggtaca 180

gcgaagaaaa ctagttccaa aacctggtaa aattgggaaa gagattgatg atatctttgc 240

tgggagatct cagaggacgc cagaggtcca aaatcccgag tcgaagagac acgccagaaa 300

gcccaagtat ccgagtccga gagacactag agctgagatg aatgagctca atgttggggt 360

caatancaac actgaaaagc ccnacctaag gacgagaatt ctcaatnacg acac 414

<210> 17923
<211> 238
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-048-Q1-E1-D11

<400> 17923

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ctcacgagtt catatgtgac attccacttt tggttatgac ttagtggaaa cttctcgtta 120

tctttttcag gtgccagcgc ttgagcacaa tggaaaaatc attggggaga gtctgggatt 180

ttgattaaat atcttgataa cactttgaaa gggcctcccc tttaccccga agattatt 238

<210> 17924
<211> 195
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-048-Q1-E1-D2

<400> 17924

ctccgtagct agtgttttag tttccgtctc tgtttggaga ttgtgtagaa tgttttagtg 60

ttattattaa acaagtcatt tgaaagattt ttggattcat actgagaaga cccaaactat 120

gttgcaagct ctacttacca gaatgtttaa gaatattgag tttgacaaaa naananaanc 180

aannnaacnn aaaaa 195

<210> 17925
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-048-Q1-E1-D4

<400> 17925

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tggctttaca tcttctgagc tcgccagaaa angaattaat gttccaacat cacaatgctt 120

tctgaattat gtgttactgg catttgctac tacagctact ggactgatca tatactccat 180

gaangagaaa gatcaanagg aacacagatt tgaagaagtg ggcgacgagg cggctatgca 240

gaggaagttg ttaggtgagg atgatgagcc gggaacctaa ccacataggt ttttgtcaat 300

tccatcgact gtgtgatatt atattattgc atccagcaaa aataaangat cttttgagtn 360

gagaaaagtt aaggacaccg ttggtgactg ttaanagtg 399

<210> 17926
<211> 160
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-048-Q1-E1-D9

<400> 17926

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tactcaaaaa gaggaaacat tttgtgaacc tagtttaacc acacatttgg gatcaatctc 120

tagtaaaaan aanangnnnn aanggannga agaaaaaaag 160

<210> 17927
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-047-Q1-E1-A10

<400> 17927

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gtggtgaata ttgaagaaag tttctctgat atttgttaga tggaagaaga ttgcgaagtt 120

tcgacattgg gatgagttga ttccagatgc tcttggttta atctttagcc acttacctct 180

tcaagaagta ctaacagtgg tgcctagagt ttgcaaagca tggaacagag ctgttactgg 240

accttattgt tggcaagaaa ttgacattga gctgtggagt aaccgttttc accaagtctg 300

atcatcttga ccggatgctt gagatgttgg tccctagaag cgctggctct ttgcgaaaac 360

tctcccgtta ctgggccttc gaaatgactc taacctctc 399

<210> 17928
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-047-Q1-E1-A4

<400> 17928

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tgaatcggtt tctaacgaag ccgacaacga atatcgtgca gaacaatctc agatcttctt 120

ttcaatacat agctcctcag ggacaagaaa tcccgccgta ttttttcccg tcgttgtcga 180

atctacagag ctcactcatt tcgcgcccta acgacactgc ttcgctccag gaactcaacg 240

aacgtggatt tctttaccct tcaggtcttc cttcactcga attcttcttg ccanaagttg 300

atccttcaag tgagccattg cttctgtttc ctaagaggac attccaacca agcactataa 360

ggcgtaaacg gaaccatgga attctttgct ccggaaggca accaa 405

<210> 17929
<211> 138
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-047-Q1-E1-A7

<400> 17929

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gttcgtctga taattccaag aatgtataca aatttgcagg aaaatattga aaaatgtcag 120

tgtttagtaa taaaagta 138

<210> 17930
<211> 288
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-047-Q1-E1-A9

<400> 17930

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ttccatcatc acccttatct tcgctgctct tgttctcttt gctgctttcg acgcactggc 120

aatggtggaa gcacagaagt tgtgcgagaa gccaagtngg acatggtcaa gggtttgcgg 180

aaacagtaat gcatgcaaga atcagtgcat taaccttgaa ggagccaaac atggttatgc 240

aactatgtct tccaacacac aantntnacc cgttacntcc aagttaaa 288

<210> 17931
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-046-Q1-E1-H1

<400> 17931

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tgcttcagtg atgctatctt cggtgacatt gaaaccagct ggtttcacgg tggagaagac 120

ngcggctaga aggattaccg tcgctcacaa gagctcgtcc ctccttcaaa attgtcgcca 180

agtggcgtca agaagatnaa agaccgacaa gcccttccga attaacngca gcatggacct 240

tgagggacgg cgtccacgcc tccggcaaga aaaggcaang gatacggtgt ttacaaagtt 300

cgttcgacaa gtattggaag cctaaacgtc gatggataca atccctaatt tacaaacgaa 360

gaaccaattg gtccaccaat tggttnacct tntacnaang ggaaaggagt cnaccggaat 420

tngcaaattt tgg 433

<210> 17932
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-047-Q1-E1-B1

<400> 17932

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tatctggttg cattattgca cttttgccat caatacatat ggagatccag aaacgatcag 120

aaggcttttt gaacgagctt tggtttacgt tggaactgat tttctttcct ctccgttgtg 180

ggacaaatac attgagctaa aaatcgtcgt cggtggacgc aacagagaga aaggtgaagc 240

aatggtggct aagctgggaa nagaattctg aattttctca agtagatatc aatgatgcta 300

agatgcttga gacaaagttt aagagacgtt gatcttgtag tccatgcccg ctggaccatt 360

ccaacaaagc acctcgatgc actgttcctt gaagctgcca taaanganca aagactgcat 420

atctcc 426

<210> 17933
<211> 217
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-047-Q1-E1-B5

<400> 17933

agaagcaaaa gaaagtgaca ctaacgtgta catattccgg tgaccgggga gtctctaaat 60

cctatggtga agctcttctc tgcaaaatct caaccatcaa gcgtttgata tgtccttcaa 120

ggaaacaata actcagagtt gcttgatgtt tgcttttatt atcattttct ctttccaata 180

aaatgaatct tttatgtcga atgtgattgg atattgt 217

<210> 17934
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-047-Q1-E1-B7

<400> 17934

aacaagaaac agagagagat aaagagatca cacgtgggaa tccaacttac caattgcaat 60

ggcgtcaatg accatgacat cttcatttct ccctaccgtc tcaaaccttc cggcaaacat 120

ctccagcaac agcagangaa gcctcacggt ggtcaaagcc tccgggagtg aaaacacaac 180

caagcttgga gaacaacaag caagaacana gcatgaanat gaggagggat cttgtcttca 240

cagctgcagc tgcagctgtg tgctccttac ctaangtggc aatggcagac gatgagcccn 300

agagaggaac aganngctgc caaggaagaa gtntgctcca gtctgtgtca caatgcctat 360

ccgccnagaa tatgcccgta actgagtttg ctatgt 396

<210> 17935
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-047-Q1-E1-B8

<400> 17935

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atctgaatta taacacttcg tgcgagaatc gaaataatcg aaggttcaag atgggttgga 120

tcggagaaac tgtagattct atcaaatcta ttcagattcg tcagcttttc actcaggcca 180

tcagtctagg gatgattgtc acatctgctt tgatcatatg gaaagctttg atgtgtgcca 240

ctgggaagcg aatctccggt ggtggttgtt ctctctggga agcatgggaa cccggtttta 300

agaaggggga tatattgttc ttgcacatga gtaaagaccc gattccaagc aagtgaaatt 360

gttgttttca atgttgatgg gtcctgatat tcccattgtc catcgtgtca ttaaggttc 419

<210> 17936

<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-047-Q1-E1-C2

<400> 17936

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aatcagcttc agatgggaga ttcaacattt ctcgatagaa tgcttctcca gcttcgctcc 120

acttgcaagt attacagcgg ttaccctaag gatctcgggc catcgcgggt tctccatttt 180

acatcaagaa ggagagtttg tccaactcct tcaccanggc tatcctgtgg ttgtcgcatt 240

caccataaag agtaantaca cacaacatct tgaccggatg cttgaggaag ctgctgctga 300

gttctatccc aacataaaat ttatgccgtg ttgagtgttc caagtatccc ggattctgca 360

taactcgcca agaaaaatga atatccnttc attgaaatat tccatancc 409

<210> 17937
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-047-Q1-E1-D2

<400> 17937

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gttgttctgt ttttgatttg agaaacaaaa acgatggaga tgatgaagat tgatccttta 120

ttcgatcgtg ccagtgagct taaagctttc gatgaaacga aaacgggtgt gaaaggactc 180

gtcgactccg gagtttcaca agttccacgc atctttcatc atccaactgt caaattatca 240

accccaaaac cacttccctc ggacctgcta catctcaaga cgatcccaac gatcgatctc 300

ggaggacggg acttccagga cgcgattaag cgcaataacg cnattgaaga gattanagaa 360

acagcaagcg aanttggggt ttcntccagg tgattaaacc aaggagntt 409

<210> 17938
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-047-Q1-E1-D5

<400> 17938

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aaacacttct tcttcgtctt cttggattcg tggttcttgt gttggaagag gttgttttgg 120

tacagtaagc aaagctttga gtaaaatcga cggtggactt ttcgccgtga agtcgataga 180

tctcgccacg tgtcttcctt ctcaagcaga gtcgttagag aacgaaatcg ttattctacg 240

gtcgatgaag tctcatccaa acatagtgag gtttctcggt gatgatgtgt ctaaagaagg 300

aacggcgtcg tttcgaaatc ttcatttaga gtattcaccg ggaaggtgac nttgcnancg 360

gttggannCC gttaangaaa cgccttctca cgcgttacgt tn 402

<210> 17939
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-047-Q1-E1-E1

<400> 17939

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tctaagagat ggcttccact tgaatctaac ccagatgtta tgaatcagta tctctgggga 120

cttggtcttg cccctgatga agcagagtgc aatgatgtgt atgggttaga cgatgaactt 180

ctagagatgg ttccaaagcc tgttcttgct gttctcttcc tttacccaat caccaaaaag 240

agtgaagaag agagaatcga gcaagacaag gaaattaagg aaaaggtgca tagcgataaa 300

gtttacttta tgaaacaaac tgttggtaat gcttgtggaa ccattggtct tcttcatgct 360

attgggaata ttacctctga aatcaaactc tccgacggat cgttcttgga tagatt 416

<210> 17940
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-047-Q1-E1-F11

<400> 17940

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tatggancaa nancangaag gcanagcaac gaaagaaaga attcaagtga atgggtactt 180

gttatacaaa acctcaccca aatccccacg tactgacgca tctacccctc caaactcacc 240

gatattacan ccaatccacc gccgtgaaaa tccaacgatc aacgacgatg atgaagattc 300

tgttgtcccc tccancgtga atctttggct tccgtggcga gtgattgaga ctaccaagaa 360

gcgattaatc aagaactcag tgtgcatctt tcangccgtc gaaagggtgc gttgtagtta 420

cctaactcgt aaaatggtaa tttggtcatt aacaatcaat tgangcntcc tcgttggtcc 480

tgaagccntg ttaagtgaag cccctgaa 508

<210> 17941
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-047-Q1-E1-F4

<400> 17941

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cggcgtcacg tttatcgtcg ttctcgtctc tctctacttc agatcttcct tcaagtctcc 120

acaacaccaa tatcaaaaga ggttattttc tgctgaagaa ttggcattgt ataatggtac 180

tgatgaaaca ttacctatac tcttagggat tcttggatct gtgttcgatg tgacgaaagg 240

aaaatttcat tacggtagtg gangaaggta caaccatttt gctggaagan acgcttcccc 300

gtgcaatttg tttcctggca actttacaag gagatggact tacagattcc ttacaaaggg 360

tatcctaacc anttaaggtg aanaancatt gttgactggc gaaggtttc 409

<210> 17942
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-047-Q1-E1-G10

<400> 17942

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cgaggaagtt ccaacagaaa cagttctcag cctcatcttc ggcgtttcca gagccaccac 120

cggtgtctcc atcttccggt gtaggagcat ttctgggtat tcccaagatt attcgctcgg 180

aatccgattt attagtctcc aagtacatca gaattgccca gggtcgattg acgaagaagg 240

gtgattacac agaggagaag ctaaaggaaa tgttgtctgg tgaagacagg gtagggatcg 300

gtgagaccat gaagttactc gagggtcgca acactggact agtatcttct aaaaaaccaa 360

actccggtcg attcaaaaat tgatcctcng tttccatcat caaactttca atttcaa 417

<210> 17943
<211> 210
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-047-Q1-E1-G2

<400> 17943

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tatattanag atccatggcg atggcggtct ccggagctgt cctcantngg cttggttcct 120

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gagctcaaan aatttgccag gaaaactcct 210

<210> 17944
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-047-Q1-E1-G3

<400> 17944

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tccttctcca ccttgctttc caatctcaag ctttaactct ccctgaaaat gatgataaac 120

gcaaagaagc tcatgaagtt ggccaagaaa tggcaacaaa gagcagcctc aagagaaaaa 180

gaatttcatt tcaagagatc aagtattact actagcagcc aaacagctgt agaaaagggt 240

tgtttcgtgg tttacacggc tgataagatc cgtttttcat ttcccttaag ttacctaagc 300

aacactattg tccaagagct cttgaaaata tctgaagaag agttcggtct cccgacggaa 360

ggaccaatca cattgccatt cgattcggcc tttttagaag tatcccat 408

<210> 17945
<211> 385
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-044-Q1-E1-C9

<400> 17945

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acagtctcag gttagaagca ggactttgtc tatatggaaa cgacatggag caacacattt 120

ctcctgttga agctgggctc acatgggcca tagggaagcg tagaagancc gaangtggat 180

ttcttggcnc ggatgtgatt ctccagcagc ttaaanatgg acctacaatc agaagggtcg 240

gtttcttctc ctcagggacc accccgcaag gtcgcatagc gaggttcatg atgagagtgg 300

gaacaagatt gggganagatc acangtggag ggtttanccc cgaacctgaa ngangaacat 360

agccatggga tatgtgaagt caggt 385

<210> 17946
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-044-Q1-E1-D1

<400> 17946

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cgtaaaggga ctaagaagac accaagatgc aaagttggtg ggcaacagag ccagagttgg 180

agtagtacga gtcctagcga acccaaatgt atctcctcct cctcctccag gaaaagcaaa 240

ggtaaaaaag aggtaatcat ggtaggccct cttgaggcta agcggttagc tagtaagcaa 300

atggaaagag attaaaggca gagaaaagca acagagaagg cgtgaaatag aaggctatta 360

acgggagcat gggcaatcat aggactcatg ataaggctgg tgatcnaagc tcaaacgggg 420

aaa 423

<210> 17947
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-044-Q1-E1-D2

<400> 17947

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aggtaaagaa actctcaagc tcaacaccaa gagggagcca agaccacaaa caaagccaag 120

tcgaaaggga accganacaa gctnacaaag aacaaactna caaangcccg aacctcaatg 180

ggcaagttnc aaagggttgt aacctnaaag ttgnctcaaa gcccgcaact cctnacgaat 240

caagacnaac tccgaacaag ggtnaagtcn ccggancctc tgctgatatc ttaaacgctg 300

ccnagaaatn cggtaagttc catnaaaaga attacactgg tcagtaactc nacaaggntg 360

agaaatntct cnacgactnc cantcctcaa antccaacgg tgctggtggt cctcctcctt 420

ccgnacaatt aaggctgagc caagcaagtc agcctga 457

<210> 17948
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-044-Q1-E1-D4

<400> 17948

gtgtttctgt ttttctctaa tttttctctt gttgttctcg attaacgaaa aagacttgtc 60

cgttctcaat tcttatcgat ttaagancaa atcatctaac gaagattact tccgaagatc 120

agaaacaaac acaaactgtg aatcgttgtt tgttaattct ctttaaaatc gccagaagaa 180

agagatctcc gttttctaca gaagaaaagc aaagagaagt aagaatgggg atcggaacaa 240

aaccgatagc actaagcttc acgccantcg caaagcttca gannccaaaa gctatgttgt 300

taaanggatg tggtttcctt ggaatcacca atcanacatg gatctcctgg ttctaaaatg 360

tttacaagaa ggcattttgt tgctgaagga aagctcaaaa caagcaagtt gccaaaagct 420

gctgtttga 429

<210> 17949
<211> 384
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-044-Q1-E1-D7

<400> 17949

ggaaaaaaaa agtgagcgtg ttgatgcata acgaacgatg ccattttccg catcaatctc 60

atcgccttct tcttctgtcg cgcttcttcg atcgcctctc tctttcttca tcttcactcc 120

caaaacccta atcttcgcca gaaccaggat ctctggtttc ccttatcttg cttcccggcg 180

atcccgcgat ttcatcaacg ggagggatga tttcgctgac gatacgagga gctggaaccg 240

gaaagatcaa accggagtat gggttcnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ctgttactta gatttgtana aaatgttttc 360

aagaaagatt tctaagagag caag 384

<210> 17950
<211> 385
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-044-Q1-E1-E12

<400> 17950

caagtgtgga gttatcagtc ctcgtttcga tgtcggtgtt aaggagattg aaggatggac 60

tgctcgtcta cttccttcca gacagtttgg tttcattgtt ctgacgacct cagcgggaat 120

catggatcat gaagaagcta ggagaaagaa cgttggtggc aaagttcttg ggttctttta 180

ctgaagcagg gtctcgagat ctatcttatc gggttatagt ttggttctct gtaagtcgat 240

tgacctcact gtcaaagtag tangttttat atgttgtggt cgctcggata cgtaaaaact 300

tggagatgag tanactaatt aatttcangt ttttgaantc gttagacttg cgatttatga 360

aatcaaaatc atctttcttg actaa 385

<210> 17951
<211> 417

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-044-Q1-E1-C4

<400> 17951

ggaaaaaaaa gagagaagac gcacaccgaa gaaaacacac aagactccat tattctcctg 60

cttcttcgtc tcttcaatta ttttctctga gactagcttt gattcaacca tggctaatgc 120

agcatcaggg aatggcagtc catgatgact ggcaaagctt gaaatttaag ggattngaag 180

aacaaaangg aaaaacgttt naacnattaa aagaatgaag aagctgcana aacaagtnat 240

tgntggagaa aatcngtgaa ncgggtcnaa cccatgangg acttgccgca agtcctccaa 300

ctgaagaatg ccnncaagcc aatttcgaat ttgattttgt caagttctga aggtgtccaa 360

aggacaagga ttttttttcgt ggcatggtcc tccggacaca agcaaagaat taagaag 417

<210> 17952
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-044-Q1-E1-E5

<400> 17952

ctctgttttt gaaagaagtt ttacagagtc gatcgtctaa agcgttgttg aagcacttgt 60

tagtggtgct ctgtttcaag ctggataaac ccaatcctat tgggatttgg ctggatttta 120

taccatattt tagcatgatt gtttgataaa cgcttgataa attgcctctt gttgtcacct 180

ttgctacgaa aatgtctctg gtttgctctt tatcttgtgt agctcccttg ccacagacta 240

aacaagtcgc gtccaagttt tctgaaactc gaaacatgta ccttaagttt atcttctccc 300

gctggctatc ctaattttac caccggtatt aggaagcata tcagttactt gttcactgaa 360

ccgatcaagc ttcctaggct ancanagagt ccggatatta agttagtcag gagtctttt 419

<210> 17953
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-044-Q1-E1-F8

<400> 17953

gctcgtagcg ccactgcctt tggtgtgacg gagctaatcc tcgtcggtcg ccgtgatttc 60

aacgccttcg gtagtcatgg ttcagcttct cacatccgtt tccgccattt tcactctctc 120

atcgaanctc gcaactatct caaggaggag aaagattgcg atatatgcgg cgttgagatt 180

gcangatgga gcttctgcgg ttaatgaaca acccttttcaa aagaaacact gcgtttcttc 240

tccggtaaat ganggatnag ggattatcct gcgaaaggat acgaaantat gccgaacttc 300

cttttgtnta ataattcctc aagtatggct ggtnggcact gccctcnttt gaatgttaac 360

tggttgnacc ntccaantgt tnttgnnatc nactttgnga gtttggggct gggatttcng 420

nancgtgttt cgggatggna agcaaaatta taagcggnct ga 462

<210> 17954
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-044-Q1-E1-G1

<400> 17954

aagagaatgg cgaaggaagc ggtcaagtat gtatgggaag gagcaattcc tctgcagatt 60

catctccaca aatccggcgt cgcttctcac cctgctcctc ctcctgctct tgtgttagca 120

ccaagaatag gatatttgcc tctgttgatt cctcttataa agccttattt caaggattca 180

cttcctcctg gtgaagattc aatttggttt gattacaaag gatttcctct aaaatggtat 240

ataccaacag gtgttctttt cgatctcctt tgtgcagaac ccgaaagacc atggaatctc 300

acgatacact ttagaggata tccttgcaac atactgatac catgtgaagg agaagattct 360

gtaaaatgga actttgttaa ttctttgaaa gangcacaat atatcatcaa tggaaattgc 420

aagaat 426

<210> 17955
<211> 382
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-044-Q1-E1-G11

<400> 17955

tgttggtgtc ctccatggag ctatgagtta cttgctgcaa gatgatgatg gacaaatcat 60

tgaaccacac tccatcagtg caggattgga ctaccctgga gtcggacccg agcacagttt 120

ctttaaagac atgggacggg ctgaatacta tagcataacc gacgaagaag cgttggaagc 180

gttcaagaga gtgtcgcggt tagagggaat cattccagca ctggagacct cacacgcact 240

agcttacctc gagaagctat gtcccacatt atcagacggg acgagagtgg tcttgaactt 300

cagcggaaga ggagataaag atgttcaaga cagtggctaa atatcttgat gtttgaagag 360

agaaacactt atgtttgttt tt 382

<210> 17956
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-044-Q1-E1-G12

<400> 17956

acgcgtccga gatgagttat cttctgaaga cgttaacgac gaaggaagag attgatcggg 60

ttatcagaga caccattgat gaagttcttg ttttacgatt tggtcgttcc tccgacgccg 120

tttgtcttca gcatgatgaa atccttgcga aatcggtgag agatgtttcg aaatttgcta 180

aggtagcttt ggttgatgtt gattcagagg atgttcaagt gtatgtgaag tattttgata 240

tcacgttgtt tccttcgacg atcttcttct tcaatgcgca tcatatgaaa ttggattctg 300

gaactgcgga tcatactaaa tgggttggtg catttcatat aaaacaagac tttattgatg 360

ttgttgaggc tatatatcga ggagcaatga aagggaagat gattgttcaa tgtccaatac 420

cgccaagaga ngataccaaa agtaccagct ccgtgt 456

<210> 17957
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-044-Q1-E1-G4

<400> 17957

aaaacagaga gagagaacaa caaccaaaca ctcatttctc cacatcttga gagaaaaaaa 60

cagagcacgt atattagaga tctcatggcg atggcggtct ccgggagctg tcctcagtgg 120

gcttgggttc ttcgttcctc accggaggca agagangtgc caaccgcatt ggtaagcggc 180

gtangcactg ggagctcaga gaattggcaa gaaaactcct attgtcgctg ctgcggctgc 240

tcagcctaaa gaaatcttgg gattcctgcc gttaaangtg gtggcaactt ccttgaccct 300

gaattgctcc natgnctccc taccaaggag aattccggtt ccacccattg ggtttgggga 360

aaaaacccgg cttttccgaa aatggtacaa aaaaggctga ncctgatcca atggccgatg 420

gggccaatgg aancggttcc ttgggat 447

<210> 17958
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-044-Q1-E1-G9

<400> 17958

tgttgatgat tctgctttta gtgagattag cattgatgaa ttgagggctt atgctcgtga 60

tattatggag aaagagattg aaaagcatgc tgctgatggc cttggccgag ttgattatgc 120

attggcttct ggtggtgctt ttgtgatgga gcattcagat ccttatcttg ttggtaaagg 180

gagtagctgg tttgcgacta ccatgcggcg cgctcatacg aatgcggtta agatgttatc 240

tccgagcttc ggtgagcctg gacaatgttt tcctctgaaa ggtagcgagg gctatgtgca 300

aatcangctg agaggaccaa tcataccaag aggctttcac attggagcat gtagctaaga 360

gtgtanccna acgacagatc gagtgctcca anaagatt 398

<210> 17959
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-044-Q1-E1-H10

<400> 17959

atgccagagg ggatatctcc gagtctggcg ttcatagtgc agtcttgttg ggtggaggac 60

ccaaacatga ggccaagctt cagtcaaatt atcagactgc tcaatgagtt cctccttacc 120

ctgactcctc cgcctcctca gcctctgcct gagactgcca ccaacaggac caatggccga 180

gccatcactg agttctccat ccgtccaaaa gggaaatttg ccttcattcg ccagcttttc 240

gctgccaaga ggaacataaa ctcttaggta caagaagggg tcttctttgt ctttgccact 300

gccactgctt tggtggataa atgacattag caagagagag agaagtagaa agttagactt 360

acttaaagtc tatagcgtag ttaagtactc aatcctcctc ctgtcaagtg attaactg 418

<210> 17960
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-044-Q1-E1-H3

<400> 17960

gcaaaagaac agaatgagtt ctaagtttga tatcggctcc ttaagcatag taatgactct 60

gcttatttgc ttcttattat tatctttggc tccaaaactt gaggctgagc tcgcaacggt 120

ccaacatgct ccaaaccccg atggctctat cagttttctg gtgattggag attggggtag 180

gcatggactc tacaaccaat cccaagtcgc cctccagatg gggagaatcn gggaggagat 240

ggatatcaat tttgtgggta tcgacgggtg ataacatcta cgataacngg atgaaaagta 300

tcgatgatcc cgccttttca actctccttt agtannatct acacttctcc tagcctgcaa 360

aagccttggn accttgtatt ggggaatcac gactatagaa gganatgttt gaggacaatt 420

gagtccta 428

<210> 17961
<211> 74
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-043-Q1-E1-F1

<400> 17961

ctcggccaac gttcgccccgg gtttcccccg tcnaaggctc cnaaatccgg ggggtcccct 60

ttaagggttc ccgn 74

<210> 17962
<211> 395
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-043-Q1-E1-F10

<400> 17962

gattaaacag attcgctcag ttctcaaaac gatgaaagta gcggagaaga ttgttttcct 60

ctggaatgat tccgatggat ttgctgcaac catttctgat actttaaacc ctagccctag 120

ttcccctctt cgcaaactag aagaacagat ccagcttccg ttggataagt atggcgttga 180

aggtgtggaa accggcggga gtatcgttca tttcgtanat gaaaatgaag tttatcaggt 240

ctcgattttt cttcttcgaa gttatgagcc tccagtacta agtgtgtgct atgaatgaac 300

tgctggacct aattacaagg ggatctcaac tctacccaca atcatagctc ctttccttgt 360

gggcgggatc taaagctcaa agttcaatta acaga 395

<210> 17963
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-043-Q1-E1-F8

<400> 17963

ccttttttctc tcacttaccc aataagagct tttttcgcgt ttcccaccgc aaccaccgtc 60

accttcaacc gccggagccg ccgcaaggaa ggctcatcat ccgccgtggt aatttttttga 120

ggtgtacaaa gcattgccta tttgacgaac caaggaaatg gttaaaaggc atggagagtt 180

ttgatttaca agatatatca tgtcgcagtn gcatagacgg tttcaagcat gtatgctcct 240

ctttttttccg ggtgttttga tatncgatat ttacanacaa tctggaaggc cttggtgacc 300

ctgaacttct tgcgaaaaaa aacatttttt angcgtgagt ggaaatnaga aggccctcta 360

tgaagcccgg tttantgaaa ntcaacannt gccggtgaaa ttgaagaatg ggggctaatn 420

aaac 424

<210> 17964

<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-043-Q1-E1-G11

<400> 17964

gaagttaaaa aggcgaaaag ctacagaacc cttttggaag cggtgttgcc tatctttaag 60

agcgtcggag gtgatataac tgggagactc ttgatgagat gttggcctat ctggaatact 120

tcccagtagc gagaccaacg gagctgaaca ccgtcaacaa cgcacctaca acccatctca 180

agagcttgga cacgagggag aaggttggtg cctggatcaa acagtggtgc atccaaaacg 240

caagccatgt agctttttgt ttcgggttct acatggccat tgcgaagaan ggtgaccagt 300

taccctaaag acgtcctgcg ctttgagggg aactcaagaa gacaatttga acttttntc 360

tttagcactc atagaanaag agcananaga ccannacgga taatatgaag tctttan 417

<210> 17965
<211> 388
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-043-Q1-E1-E9

<400> 17965

tcacacagat aataatcctc agcttctctc tcgctggatt tcaacattct tccactcatc 60

gcttctcttt accaaatcaa actcaacact tcactcaact cttatcggac cttccaaact 120

atatccttca atggatctat ggactcttca attanaagac gtcangatcc gaaancctat 180

cttctcatca tcgatccctg agaaatcatc gtcgttttcn aggaaacttt gtgaattgga 240

ntttaggttt ctcaantcgt aaggtttctg cttctccgta gcgttccttg ggttgttcga 300

ngctagctcg nangaaagag taacgacgat tcttcgtctc ctgangcttc ncaggaaana 360

caaaccttct aaccggcaan aagtccgg 388

<210> 17966
<211> 185
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-043-Q1-E1-G12

<400> 17966

agagagattc gatttctctg gatttttcaa aaatgtttct ccaatcgcaa aaactatgga 60

cgatgcttct aattctagcg atttggtcac caaatttcac actcgcttca cttcgatnta 120

cactcaggtc gcaanaaagt nantngctga aaaaaccctc naatatttta ggctcaagtt 180

catca 185

<210> 17967
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-043-Q1-E1-G3

<400> 17967

cagaatctga gaataagcta accgattccg atttcgagtt cgtcgccggg aggaatgaac 60

cggttgaagg agcaaaaggg gccgaagttc gacggcgaag aatcacctcc acctgatttt 120

gatgaagatc gaagtgtggg tgaggtagac ggaggagatc acacgccatt cgctgggggt 180

aaagtcagaa ggaaagcgtc tcgctataga gagcatcgtg gtgactatct tcacgtttct 240

tctcgtcctg gattgatgcg aattctggag aaacaaggtg atacatcgat tctttttgct 300

gataaagttt tgaagttcac cggctcgggg aagatgaaac ggcgtatttt tatcctcact 360

gattttgcga tctatcctaa ttgattcccg agactgaagc ctatgaccaa gagaaattgc 420

nttgtcatca gtaga 435

<210> 17968
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-043-Q1-E1-G6

<400> 17968

agccaaacat aaaaaaaaat caatacatat gcaaatatat agcaacaacc gaacgatgag 60

gaccaaattt tcacttaatc tgatttctcc ggcgaagaac atggtgaaga ttcatcctga 120

caaggcgttt cctgtggatt ttagcgtggg agaaggcaag acttcgccgt acttaacgac 180

ggagaaagag agtttcacga tttggatgag atctcttgtg tttcatagta aaggctgcac 240

agtttttgat tccaaaggaa acttaatcta tcgagtggat aattataact ccaagagttg 300

tagtgaaagt ttaccttatg gacttatacg gcaaaatcnt gtttacatta cgtcaaaaga 360

aattgggatt attcaaatct tggaaaggat ataactcaac cggggacaag attcaactaa 420

gaaa 424

<210> 17969
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-043-Q1-E1-G7

<400> 17969

cacagagaag ttcataacgc atatggatat tacttccaca tggcgacttc cgatggactt 60

gttatgcgtg aagaaggaaa ggataggcct tttgtattgt caagagcaat ctttcccggc 120

actcaaagat acggagcaat ttggactgga gataacacag ccgaatggga acaccttaga 180

gtctccattc caatgatatt gacacttggt cttactggaa ttacattctc tggagctgat 240

attggtgggt tttttggaaa tcctgaacca gaacttctag ttaggtggta ccaagtgggt 300

gcttactatc catttttcag gggtcatgct catcacgata ccaaaagacg agagccttgg 360

ttgttttggt gaacggnaca cagaactcat gaanagatgc catacacact cngttacaca 420

ctgctccc 428

<210> 17970
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-043-Q1-E1-G9

<400> 17970

gagacgcagc gaagtacggg catgagattg tgccgttgaa aacgtcgaat tcgcagctga 60

cgctggagga tatcgccgac gcggctcagc caagtggagc atttaagtgg gactctgaaa 120

ccgatttgaa ggtcgacggt tagttatatt ttatatgatc gatcgtctaa tcacaaagaa 180

agtaagggaa agaatcaagg aagtaagaat aagaagataa taaataaaga gaataagaag 240

aggcatttgc aactttaaga ggttaaaatt tcttaaatga gtctgagttt cgttgtgtgt 300

tttgggtgta ccataagaaa taaaacgtac ggggttgcta tgtattttgt gaagtgtgta 360

tttctggttg aatattantc ctgcgtaata naaaaaatat gtgtagtana a 411

<210> 17971
<211> 262
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-043-Q1-E1-H10

<400> 17971

gaaaggttct gtgtttangg ttctggttct gggaagctcg ttctcaccgg aaaaccgaag 60

aatatgatcg gagtcgggaa aatgaaacag tactccaacg tccttganaa gcctctcagc 120

aaaggcaagc aagaggtgag cttgaccgca tttgctttct tattctcgga gctcgttcag 180

tacaatcaaa cccangttga caatagtagc tgaactnaaa annaagncta naggatgctn 240

nggtnttcaa tttggatttc cc 262

<210> 17972
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-043-Q1-E1-H7

<400> 17972

agaacaatta cttccaacgg agaatggcct caattgtcgg aattcgaaca agattcctga 60

gtttcgggaa gctttcacaa atctcttctt cactgttgag aatacacaat cctcgtaatc 120

atcagaatcc tcttattctc cctcttcctt gtttctctgc cgctcctagt cgtcatcgtc 180

ctctgatttg gcttcgctca tctccgcctg tgtcctcgat gaccactcag gctgaatctg 240

ggtcttccca gcaatccgat tcttccaaaa cggtgaagag tggtgataaa gggaagagta 300

cagggaagtg tgctacagaa actggactgt tgagaacgct gagcanctgg ggataaaagg 360

gatgggttag gaaccgcang gatggttcag tgg 393

<210> 17973
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-043-Q1-E1-H8

<400> 17973

agacaattgg ttatattagc tgtcactccc atctttcata ttccttcacc atctctctct 60

ctctcgatct tgtgaaccac tacacacact aacacaatga gagagatcct tcacattcaa 120

ggtggtctat gcggtaacca gattggttcc aagttctggg aagtcatctg cgacgagcac 180

ggcatcgatt ccaccggacg ttacagtgga gacactgcag atctccagct tgaacgtatc 240

aatgtctatt acaatgaagc ttcaggtgga aagatgcgtt cctcgtgctg ttcttatgga 300

tcttgagcct ggtactatgg atantatcaa gattcggacc gtttggtcag atcttccgtc 360

ctgataactt tgtccttggg tcagtctggt gctggtaata attgggctaa angtc 415

<210> 17974
<211> 91
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-044-Q1-E1-B2

<400> 17974

acacactcct tttattaatc ataaagttca taaaattaaa caagaagact tttcattaaa 60

agtctcctan atttttggta agatactgaa a 91

<210> 17975
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-044-Q1-E1-B3

<400> 17975

ttttccgaan aactaacaca tgtcgggacc tcantgctgt gaaaacccgc caactcttaa 60

cccggtttcc gggtcgggtc atgtcgagaa gctgggtggg cttgatgcct acgtctccgg 120

ctctgccnag tccaanctct gcgtcctcct catttctgag atttttggtt ttgaagctcc 180

aaacttaatg gcgcttgcng acaaagttgc atcttctgga ttctatgttg tggttcctga 240

ttactttggt ggangatcct tataatccct ctaaccatga cagacccatc cctgtctgga 300

tcaaagacca tggctgtgat aanggctttg aaaacacgat accactactt taaaccataa 360

agancaaagg cataactgcc aattggancc gcnagggatg tnttggggtg caaaantatt 420

ggt 423

<210> 17976
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-044-Q1-E1-B8

<400> 17976

cgtcaaaggt taaacagtcg aaacaatgga gattctgaag cttgatgtag cgaagtttcc 60

agaaattgag gatacaatcg aattaactaa cccaaagaga aacgacgaag tagaagattg 120

cgacgaccaa cagaagcagc agctagctac acaagaagat gaagaggaag acgaattgag 180

aaagcttctg ctttcagata ttggagaact tccgatttct cctccttcag ctacacaagt 240

caattttgtt tcttatttca tcacaggatt ttactaaatc gggtcatgat caatatattt 300

accgtcacgc taatgggttt gtgtgtaatt ggattggctc ctacgcatat agcttttaag 360

gatgaangtg gaatcactag tgtcgatttc aatgttggta agtctgatcg tagcgtcntg 420

aaa 423

<210> 17977
<211> 62
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-044-Q1-E1-B9

<400> 17977

ggctgcnana agacgacata aggntacngc tgcnggaaga cgacacaagg gtactgccng 60

cg 62

<210> 17978
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-044-Q1-E1-C2

<400> 17978

agccgattct tctattagcc gccatggtga agtactcgca agaacccgac aatcagacca 60

agtcttgcaa ggctagagga tccgatctta gggttcactt caagaatact agggaaacag 120

cgcacgcaat caggaagcta ccattgatca aggcgaagag gtaccttgag gatgtgatag 180

ctcacaagca agcaattccc ttcacacgtt tctgcagang tgttgggaag aactgctcaa 240

agctaagaac aggcactcta atggtcaagg acgttgggca accaagtctg ctcaagtttg 300

ttcntgattt gctcaaagaa cgctgagtnc aatgctgaag gtgaaaangg tttggatgtt 360

gatgccctct tcatatcaca catccaaagt tgaancaagg ccgcaaaagc canaaggaga 420

agggacttta ccgttgctca acggaaa 447

<210> 17979
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-043-Q1-E1-A4

<400> 17979

agaagagatg gagaatactt tgtcgccgtt gttgtcaccg tcgccggcaa gtgaagtcgc 60

tgcgagagta tcgtctttgt tcgtttatcc gatcaaatca tgtcgaggaa tttctctgtc 120

tcaggcagct ctcactccca ccggatttcg atgggatcga aactggttga ttgtgaattc 180

taaaggaaga ggattgactc anagagtgga accaaagctt tctttgattg aagtagaaat 240

gcctaagcat gcgtttggag aggactggga gcctgagaag agctctaaca tggtggttan 300

gagctcctgg tatggatgcc cttaaggtcc ccctaantaa acccgacaaa atancaggac 360

gggtgtctca atttgggagt ggtctggctc ccgcactaga tgaacganaa ggagcatcct 420

c 421

<210> 17980
<211> 76
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-043-Q1-E1-A6

<400> 17980

ttacctgacg tttgtgttct ttatatccag tcatgtgttt cttgtttcat gaatttggct 60

gacattcttt tactta 76

<210> 17981
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-043-Q1-E1-B11

<400> 17981

aagaatagat ccgtccgagc tcgaacgcgt tttccagatg ttcgacaaga acggtgacgg 60

tcgaatcaca aaggaagagc tcaacgactc gcttgagaat cttggaatct acataccaga 120

caaagatctg actcaaatga tccacaagat cgatgctaac ggtgatggat gcgtcgacat 180

agacgagttt gagtcgctgt acagctcgat tgtggatgag catcacaacg atggcgaaac 240

agaggaagag gatatgaaag atgcgtttaa cgtgtttgac caagacggag atgggtttat 300

cactgtggag gagttgaaat ctgtgatggc ttccttggga ctcaagcaag ggaagaccct 360

aagatggttg taagaaagat gattatgcaa gttgatgcan atggtgattg gtaaagt 417

<210> 17982
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-043-Q1-E1-B3

<400> 17982

ctctactctt gtcgtcgttg gaagaagagg aagagagagg acaagagaat cataagaaga 60

agacatagtc atgggagagg tgaaagtaga cgacgatgcg attcttaaat ccttcctcgc 120

cgaggtcgga gaagttgaga gagataacga agtcggcagg attctctcat gcttcaagct 180

gaattcgttt gagcatctta acctctcttt cgattcttcc acggatgatg ttaaaaggca 240

gtacagaaag atttctttga tggttcatcc tgataaatgc aaacatccac aagcacagga 300

ggctttcgga gcattggcaa aagcgcaaca actgctgcta aacgaccaag aaagagatta 360

tattcttacc caaagcccat gctgcaaaag aaagagctta agattgaaag agaaagaaac 420

cagttnaaga aagaccc 437

<210> 17983
<211> 338
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-043-Q1-E1-B4

<400> 17983

gtcaaaggaa gtgaaacctt cttcctcttt cttgaatcca tcaaagaatg ctacgaagct 60

cttgtcattg ccaaattctt ggcattgatg tatagttatc taaacatatc tatgagcaaa 120

aacattttgc ctgatggaat caaaggaaga gagattcacc attctttccc aatgactctt 180

tttcagcctc atgtantccg tttggatcgt cacactctta aacttttgaa atactggaca 240

tggcaatttg tggtcattcg acccgtgtgc tccactttgn tgatancttt acagctcatc 300

cgggttttaa ccttcacggt tgagctgnga caattcac 338

<210> 17984
<211> 345
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-043-Q1-E1-C2

<400> 17984

ccaaaaaaaa caaaacaaan aattatattc aacagaaaaa ggaaaanatg aatttcatct 60

ccgatcaggt anagaaactc tcaagctcaa caccaagagg agccanacca caacaagcca 120

gtcgaatgaa ccgaaacagc tacaagacca gctaccaacg ccgagctcat ggcaagtgcc 180

aacgttgtag ctgaagctgc tcaanccgca gctcgtaacg aatcaagaca tactcgacaa 240

gggtaaagtc accngagcct ctgctgatat cttagacgct gccgagaaat acngtnnagt 300

tcgattgaaa aggantanca ctggtcacta cctcgacaag gcttn 345

<210> 17985
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-043-Q1-E1-C4

<400> 17985

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn gaggatgaag gagagatttt ccttggtgaa tccgatgttc tccgnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nctctgttca cacattcact ggtcacaaag gtgaagcttt 240

atgcattggc ttgtagtcca acaggtggaa tggacaagaa gcttataatc tgggatctgc 300

agcattccac tcccaggttc atctgcgagc acgaggaagg tgtgacatct ctgacttgga 360

taggaacctc ccaagtacta accactggct gtgccaatgg tacagtgagc atttgggaca 420

gcttattagg caa 433

<210> 17986
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-043-Q1-E1-C7

<400> 17986

tggcgtcttc ttcagcgacg ctctctctct gctctacttt ctctgctcat tgcaatgtca 60

attctcgccg ttctagcact atcctctgtt ctctctctaa accttcgctt aatttggcta 120

aacctctgac tggatttctt tctccttcca ctgcgtcgac gtctcgaacc gcattcaccg 180

tcgctccgaa attcgcggaa tcagtcgtcg aagctgaacc ggagactacc gatatcgaaa 240

gctgtggtgg tttccgatgt ttcggaggtt actgaggaaa aagctaaacg agaagagatt 300

ttccgctgtt attaaggttg gtggacgcca aatacatagt gtttccaagg gagatatctc 360

ctacactcaa gagggctaaa aagatgcaaa atgttgatga acaagattgt tctcaacaaa 420

agt 423

<210> 17987
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-043-Q1-E1-D1

<400> 17987

aagaaaccaa agcgaaatca aaaagctcag caattttcca agatttctct aattgacgat 60

ggcgctttgt gctactactc aaaggactat ccgtatagcg gcgacgctcc ggcgtgttgc 120

tcgacctttc gctactgacg cggtggttga gtcggattac aagcgtggtg agatcggtaa 180

ggtctccgga atcccagagg agcatctttc tcgcaaggtg ataatatact cacctgctag 240

aaacagctac ccaagtcagg atctgggnaa acccggaaaa tgggaagatt aaacttcctc 300

tccaanctta aaattgggag aatcccgttt gattgggatg ggacttctac aaggtgaacc 360

ctaatgccta atgttggtgg actcctgctt ttgccttttt gattctgaag aaggtgccaa 420

agtccttttg ctgaancgtc aa 442

<210> 17988
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-043-Q1-E1-D10

<400> 17988

gcttgagttt gtaaagaaag tagcaagttc cactggtgtt attcttgatc cggtttacag 60

tgggaaagct gcgtatggtt tgataaatga gatcaccaaa gatcccaaat gttgggaggg 120

aaggaagata ttgttcatac acactggtgg gcttcttggg ttgtatgata aggttgatca 180

aatggcatct ctgatgggta attggtcccg gatggatgtt tcagaatccg ttccaaggaa 240

tgatggatga agcggaaatg ttaatcaccg agtaaaacac tcttggcagt cacagagtct 300

gcgacaacac gcagatagag ttgagtctct aagtcatgtt tgtacatata catacaataa 360

ctaagacaag tcttttctgt aagacttggt atgaaatgtc natatatcca ttaagtac 418

<210> 17989
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-043-Q1-E1-D3

<400> 17989

aaatcaaatg gatcgtctta agctttattt ctccgttttc gctttgtctt tctttatcgt 60

ctcggtttcg tcgtctgatg tcaacgacgg cgatgatctc gtgatccgtc aggtggttgg 120

tggagccgag cctcaggttt tgacctcaga ggatcacttt tctctcttca agcggaagtt 180

cgggaaggtc tacgcttcca acgaggagca tgactataga ttctccgttt tcaaaacgaa 240

tctcangcga acgangtgtc accagaagtt ggattcgtcg gcgactcatg gtattacgca 300

gttctcaaat ctgactccgg tccgagttcc gtaagaaaca ctttgggggt taagaaatgg 360

tttaaacctc ctaaaaaatg ccnaacaagg ctccgaatcc tcccntaccg aaaa 414

<210> 17990
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-043-Q1-E1-D8

<400> 17990

agaagacaga acaaaaaaaa cacaagaaca gggcaaggaa aatgtcggtt ttcctctgtt 60

tcctcgtcct cttacccctg atcttaatct tcttgaacgt tttgaaacct tcgaaatata 120

agcttcctcc gggtccaaag aagcttccca tcatcggaaa cttacaccaa cgcaggacac 180

tacatccgag gaatcgccgt aatctcgccg aaatgtatgg accagtggcg cttctccaat 240

acggattcgt ccccgtggtc gcgatctctt cgaaagaagc agcagaggaa gtgctaaaga 300

tcaacgatct tgagtgttgt agtcgaccag aggcggccgg aatgagagca acttttttaca 360

acttcaaaga catcgggatg gcacccttcg gtgacgagtg gagtctgang ccga 414

<210> 17991
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-043-Q1-E1-D9

<400> 17991

gaaggggget cacaaaaaaa agaaagaaag ccagagtaag aaaccatgga agacgccata 60

tatgttgcag tgaatcaaga tgttcgagaa agtaaaaaaa ctttgttatg ggctttgaaa 120

aatcttcaag tcaagaagat tttccttctt catgttcatc ttccattttc gttgaccact 180

tcttcaagta ggcttgaaca aagtgagatc gatgcaatcc aagattcana actgaatact 240

tcagtanata gcctctacaa gtancgtgat atctgcataa nacaaagggg ttaatgaana 300

aagatgtggn tacatcaatg gatctcanga catgatgtgg gggaanggat tgtggnactc 360

atctatcaan acattatcac gaancctcng ttatggggag naagcagctg attcctccag 420

caattccaag ggggaaangt ctatcaca 448

<210> 17992
<211> 283
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-043-Q1-E1-E1

<400> 17992

gagaagaata gtttgatcat cttgtgagaa aaataatggc tgcttcagtg atgcctatct 60

tccgtgacat ttgaaancca gcttggtttc acgggttgga gaanacngcg gctaacagga 120

ttacccgttc gctcacaaag anctccgtcc ctccctcaaa aattgtcncc aagtnggcgt 180

caagaaanat ttaagacccg acaaggcccc ttccggaatt taacggcaan catgggactt 240

taagggacgg gcnntncaaa gttccccggc caanaaaggg cca 283

<210> 17993
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-043-Q1-E1-E10

<400> 17993

cgaacaaaca tgagcttgac gctgcttcaa ggctattctt ctnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnncttctgt gtttgatttc tctgcatctg cctcctccgc taaaaacgcc 180

ggccttcctt cagctgacga cgttttctct cagatttcag ggccaccgga gtttctaaac 240

aaccgcacag aagcagataa tgaagcttca gctagagatg cagaacatgc aaatcgtatt 300

agtcgcaaaa agaagaaagt taaaccaaaa ggtgttgtca tggaagcaaa acctcaacta 360

ngtaggaatc catgagagag ttaanaaacg atattngatg caaccccaat cttcagaaga 420

gttggn 426

<210> 17994
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-043-Q1-E1-E3

<400> 17994

tgttggtgtt atcacagcgt ttaattttcc ctgtgcagtt cttggttgga atgcttgtat 60

tgctcttgtc tgtggaaact gtgtagtctg gaaaggtgct ccaactacac cgttaataac 120

tatcgcaatg accaagctan tanctgaagt tttagangaa aaacanctta cccgggtgcc 180

atttttacgg ccatgtgtgg tggtgctgaa attggtgaan caatagccaa agacacacgc 240

attcccttag taacccttta ctggaanccc ccagngtggg ctcaatggta caacacacag 300

ttgaatgcga aatctgggaa aaacttngct tganttgagt tggaaaanan tgcacccata 360

ntcatggacn angcngnata nacngttnag cgggcccntt ttgtcccaat c 411

<210> 17995
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-040-Q1-E1-E11

<400> 17995

taactgttta cgcttgcccn gnnccngtcc aaaaantcan gggtcnaccc acgcgtccgt 60

acgtgctgcg aagacgacag aagggtacgg ctgcganaga cgacagaagg gtacggctgc 120

gagaagacga cagaagggaa aacaaaaaat ggctacccga aaagctctga tcaacgttca 180

ccggatcatt cgctccaccg ccgtggttgg ccggagctct atcattcctg ccgccgctaa 240

ccggtcatat cctattatat tccggaatgg agttgatttg ggggcgagat tcttccgtga 300

gaacactgcg tctgcccaga atttcgatat tgatctctct aacgaagaga ataatagaag 360

aacgatcaac agattgttgt ataagagcaa tcaaagaggg tttttggaac ttgatcttgt 420

tttggggaat tgggttgagg agaatgttaa ttccatggga cgaaaatggt nttaaatccc 480

taattcatgt cctcaa 496

<210> 17996
<211> 159
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-040-Q1-E1-E2

<400> 17996

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aagggcacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg acagaagggt 120

gttaaaaaan aaaanaaana aanaaaaaan aaagcggcc 159

<210> 17997
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-040-Q1-E1-E10

<400> 17997

gtccacgcan gcctctatac tgnctcgnan nagacagaag ggggaaatcg aacgatttat 60

aaaatcgtcg tctggctttc gacgatctgc tgacgaagac catggcgccg attttcagan 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn ngaggatagt tacacgatca cgggtagagt gagggttcca gcaagcaccg 240

tgattggtca tgcagctaaa ttctcaaata tcaaagttat actcaacggt ggacagcatg 300

ttactttcct caggccggat ggatacttta ccttccacaa agtgccagcg gggacncatc 360

tgattgaant ttatgcacgg ggctacttct tctccccatt gcaaatttga ngttantgcn 420

ccggcatcnt ggcaaggttc aagcaacact tac 453

<210> 17998
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-040-Q1-E1-E3

<400> 17998

aagacgacag aagggtacgg ctgcgagaag acgacagaag ggagctgcag gagaaatata 60

cggtggtaaa aggcggttaa aggctttaac agatgttttt ccaaatgtgg tgaggaaaga 120

aactctactc gattcttctg atttgagttt ttgtaaaaac cattcttctc aaatggctgc 180

tcttgattac cttatctctc ttgaaagtga tatattcgtt cctacttatt acggaaacat 240

ggcgaaagtc gtggaaggtc atcgcaggtt cttggggttc aagaagacaa ttgagctaaa 300

ccggaagctg ttggttaagc tgatagatga atattatgaa ggattgttga gctgggaagt 360

gttttcaacc acggttaagg cctttcacgc tacacgaatg ggaaggccaa agaga 415

<210> 17999
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-040-Q1-E1-E4

<400> 17999

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ctatatggct ttctcttacg catcattctc tatacccttc aatggtttcg ctgcaaatcc 120

gtctccgatt acttccgctt ttctcggccc atcattgaga ttctccacca gaacatcaaa 180

aactcggaat ccgagtaatg gggtttcagt gaaatcgtca aatagtcata ggtttctagt 240

caaatctaaa aatttcagtg tctatgcaag ggctgcagca gagaagtctg ttcacgattt 300

cactgtaaag gacatcgatg gtaatgatgt ttctctggac aaattcaaag gaaaaccttt 360

gttgatcgtt aacgttgcgt caagatgtgg tttgacatca t 401

<210> 18000
<211> 382
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-040-Q1-E1-E5

<400> 18000

cacacaaaaa anaaagtcac gtgtaaatgt attatatgtt ctctgttttc ttgtgaccaa 60

agaggcagat tttgaacctt tggatttttt ttcggatctt gatcaaaata aanattcgtt 120

ttggttttga agcttctaca agtgtttgat tagacaagaa ggtgaaaatg tcggcttata 180

cgcatccgat ggagagggag ctctccggtc tatccanccg aggcaattcc gaattgggga 240

gtcggtattc gatanaatct ggatgttaca tgacatcttt agcancttcc atcttcatag 300

cttctctagt aacatttgga gttntgatga taacacttcc tantgcttan cnnccatgtt 360

acaaagctgt gagaaccgga at 382

<210> 18001
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-040-Q1-E1-E7

<400> 18001

gtatcgatta gagggcaaat tcgctatcga taatctctct aaaaccgcta agaacgaatg 60

tgttattagt cgtgtttttc atacacggac tgatggtacg aaggagcata tgtccgttgg 120

tttacctccg ctgatggatt cttctccata tctaaagagt aggggacaag actctttagc 180

cgggaccacc cttggtgggt tgttgtctca cgttacctac ttctccgacc aaacaaccga 240

tgacaagagt cttgtggccg attttaaaac taccatgttt ggttccggat cgactaactt 300

tttaccaaac ataggttctc tactagactt cgatcctctg tttctacaan acaattcctc 360

agtactgaag atgttgcttg acaatgaaga aaccca 396

<210> 18002
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-040-Q1-E1-F11

<400> 18002

acnacagaag ggctggttgg atcatcacta cctactaaat ttaatccagc tattgtacaa 60

aaggttgtag atgagctttc tcctagtaat tttcgaattt tttgggaatc acagaaattt 120

gaaggacaaa ctgacaaggc tgagccatga gcatatgcaa gagattttgg ggttgctgtt 180

caactacatt cagctattac aacagactgg tgtttgccag tggatttttg atgagctctc 240

agctatttgt gagacgaaat ttcattatca agacaaaata ccaccaatgt cctatatagt 300

ggatattgca tcaaacatgc agatatatcc gaccaaggat tggctggttg gatnatcact 360

acctactaaa tttaatccca gctattgtac aaaangttgt 400

<210> 18003
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-040-Q1-E1-F5

<400> 18003

ancctctaaa catgacgtcn tactaacgcg tccgcccacg cgtccgcgga cgcgtccgcc 60

cacgcgtccg tacggctgcg agaagacgac agaaggggag ggtcgcagtg accaggcccg 120

ggcgactgtt taccaaaaac acaggtctcc gcaaagtcgt aagaccatgt atgggggctg 180

acgcctgccc agtgccggaa ggttaaggaa gttggtgacc tgatgacagg ggagccggcg 240

accgaagccc cggtgaacgg cggccgtaac gataacggtc ctaaggtagc gaaattcctt 300

gtcgggtaag ttccgacccg cacgaaaggc gtaacgatct gggcactgtc tcggagagag 360

gctcggtgaa atagacatgt ctgtgaagat gcagtgtcaa tacaaagang agagaancat 420

tgatagatga tgttatcnga tg 442

<210> 18004
<211> 288
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-040-Q1-E1-F9

<400> 18004

gtccacncac gcgtccgccc acgcgtccgt anggctgcga gaagacgaca gaagggtacg 60

gctgcgagaa gacgacagaa gggtattcca nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncgttagtc nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngcggcc 288

<210> 18005
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-040-Q1-E1-G1

<400> 18005

gcgtccgang gctgcnanaa gacgacagaa gggggagaac aattacttcc aacggagaat 60

ggcctcaatt gtcggaattc gaacaagatt cctgagtttc gggaagcttt cacaaatctc 120

ttcttcactg ttgagaatac acaatcctcg taatcatcag aatcctctta ttctccctct 180

tccttgtttc tctgccgctc ctagtcgtca tcgtcctctg atttggcttc gctcatctcc 240

gcctgtgtcc tcgatgacca ctcaggctga atctgggtct tcccagcaat ccgattcttc 300

caaaacggtg agagtggtga taaagggaag agtacaagga gtgtgctaca gaaactggac 360

tgttgagaac gctgagcagc tggggataaa gggatgggtt aggaaccgca nggatggttc 420

attgaancat ccttt 435

<210> 18006
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-040-Q1-E1-G3

<400> 18006

ctgttttcct gccgcnaccg gtccgaaaaa tcccggggtc gacccacgcg tccgtacggc 60

tgcgatgaag acgacagaag gggaagaaaa aaaaccaaaa aaaaagagag aggtgaaatt 120

gattttctgc tcgcgatcgt catttcaatt tctaattagc tttcctggtg tttcttctcc 180

ggcgtaatca tgacaacctc aaaaagacta gcagacagga agattgagaa attcgacaaa 240

aacattttaa agagaggatt tgttcctgag accaccacca agaagggcaa ggattatccc 300

gttggtccca tccttcttgg cttctttgtc tttgttgtca ttggatcatc tctctttcag 360

atnattagga ctgcaactag cggaggcatg gcataaacca aaacacagtc aagctagaag 420

aagcagtttc aaaatgtaga atcctctctg tctccttcct tttccccccc tatactggta 480

naatgtgtca ac 492

<210> 18007
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-040-Q1-E1-G7

<400> 18007

ttgttttcgg gggcatttcc tgctacaacg gcaatccgcc aagtatcatg tgggacagct 60

catgttgtgg ccttatcaga ggaaggcctt cttcaagctt ggggctataa tgaacaaggc 120

caacttggta gaggagtcac ttgtgaagga ctacaagcac ctcgtgtgat aaatgcttat 180

gcgaagttcc ttgatgaagc acccgagctt gtgaagatta tgcaactttc atgtggagaa 240

taccatactg ctgctctttc tgatgcaggc gaggtttaca cttggggatt aggaagcatg 300

ggtcaacttg ggcatgttac tcttcaatcc ggggataagg agttaatacc aagganaatc 360

nttggtcccn atggtgtgtc catgaaanaa nttncctggt ggtggtgtac acact 415

<210> 18008
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-040-Q1-E1-G8

<400> 18008

agaagacgac agaaggggga aacgaaacga actatggatt tgaagaaagc atctttgttt 60

ttattccttc ttctctgtct ccacctgcaa ctgcaacacc actttgctca cgcggtctcg 120

cgatcttcaa caagtttagc cttcgttgat ccaaaccatg atgatctccc gtttcaagaa 180

gtagaattga agccagacgg tgacgtaatc gaagccaatt taccgaaatt aacagtcgtt 240

gttaagaann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnngag ttctagcaga ggcggtggag gaagttctag cagaggcgga 360

ngaaggagtt ctagcanagg aagaagatta cntccgattc cgaattatgg cngt 414

<210> 18009
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-040-Q1-E1-G9

<400> 18009

gtccacncac gcgtccgcaa cacgcgtccg tacggctgcg agaaaacgac agaaggggag 60

aagaagaaat agaaatgaga gctctcttgt gctcacaccg tttactacca ttatcatctc 120

tcnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnc ttctagaacc 240

tctgaaaaac ccggccggcc agacccggac ccggaagacg atcccccgat accccaagaa 300

antgttcgag aaggataatg gggaaggatt gtggtttctg tggaaaaaca actgggcttg 360

gaattggcnt tttgaantta cncaannttt tgaaggatan aaacttctag gacttgcctt 420

tgtgggttcc aaaacttgac canactcgtg acctttgg 458

<210> 18010
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-040-Q1-E1-H2

<400> 18010

aagacgacag aagggtacgg ctgcgagaag acgacagaan ggtacggctg cgagaagacg 60

acagaagggt acggctgcga gaagacgaca gaagggtacn gctgcgagaa gacgacagaa 120

nggggacata aaaatggcga cttcgatgat tcacagattg ttcaaacaag gcacaaagat 180

cgtcggcgtt ggactcaatt acgcttctca cgccaaagaa cttggcaatg ccctcccaaa 240

ggacccgatt gtgttcttaa agccaacttc gtcgtacctg naaaacggtg gaacaataga 300

gatcccacat ccactggatt cacttcacca tgatgtggna cttgctntac taattgggca 360

caanngcang agatgtccca naancnttag ccctnaanta cattgggccg ntatgccc 418

<210> 18011
<211> 349
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-039-Q1-E1-H11

<400> 18011

aaggcaaatt tctcaaagga agcgaagccc tagcgtcctc tctctgtctt ctcgtttctg 60

cgccgattcg tagtctgttg tgcgcttgcc tctcctcttt tggattagca tacctctcac 120

tcgcatcagg taagaagttt ggttcagatt tagtgaatct cattgcttta gtttcaaagc 180

ttattaactc tctgtgtttt tgcgttggtt antacgttgg aatacttaac ccttataaca 240

actactggaa ttttgccgaa acatagttag tcnctatgct ttgtttggga ttgaattgat 300

tatgatggaa tgcaacataa gttatcgctg tgccttgttt ggatggaat 349

<210> 18012
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-039-Q1-E1-H5

<400> 18012

ccctgaaacc tctcttcaga aaactcaggc accattttct ccttccgccg ccgccatgga 60

atcacttccc cagccgcaaa accaatcatc tccggcaaca actccggcga agatcctcct 120

tgggaaatac gaactcggtc gtcgtctcgg tagcggaagc ttcgcgaaag tccatttagc 180

tcgatcaatc gaatccgacg agctcgtcgc cgttaaaatc atcgagaaga agaaaacaat 240

cnaatccggt atggaaccaa gaataatcag ngagatcgat gcgatgcgtc tcttcgtcat 300

catccanaca tactcaanga tccatgaagt tatgngcaan ccanatctaa gatttatctc 360

cgtaatggna actcgccntc cggtggtgaa cttttctcan 400

<210> 18013
<211> 362
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-039-Q1-E1-H7

<400> 18013

attaaattcg atttttgaga caaagctcga caagtcgtcg gcggcggtgt aaaaatagtc 60

ggagctatgg cgatgcaggc cggagttggc ttatccagga tctttctctt agccggagca 120

ggttacactg gtacgatcat gatgaagaat ggaaaattgt cggatttgtt gggtgaattg 180

cagagtttgg tgaagggaat ggagaaatct ggagaagggt ctgagggaga ttctgatgtt 240

tctgatgcta tagctgcaca ngttcgccgg ttggctatgg agattcgaca gctagcttcg 300

cagcaacaca taacggtcat gaatggantt ccngggcaaa cctaaaaacc cttgctgttc 360

ct 362

<210> 18014
<211> 345
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-039-Q1-E1-H10

<400> 18014

ttttgcaaga actatttccg gaacctggaa ggcttcaatt tatttatgct gatcttggag 60

atgccaaagc tgtcaacaag atattcacag agaatgcctt tgacgctgtg atgcatttcg 120

ctgctgttgc atatgttggg gaaagcacac aattccctct taagtattat cacaatatta 180

catcgaacac tttggtagta ttagagacaa tggctgctca tggagtaaag actttgatat 240

attcaagcac ttgtgcaacg tatggggagc ctgatattat gccaattaca gaggaaactc 300

ctcangtgcc aatcaaccca tatggtaagg ccaagaagat ggcag 345

<210> 18015
<211> 258
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-040-Q1-E1-A1

<400> 18015

cgacaggagg gtacggctgc ganaagacga cagaaggata cggctgcgag aagacgacag 60

aagggtacgg ctgcgcgaag acnacagaag ggtacggctg cgagaagacg acagaaggga 120

tggcatgagc tttttgttat ttgtttctaa tatttggact actatgtgtt gtgtgtatat 180

gattcataat taatactata tttatggatt gatttctttc tataaaaaaa cannccncan 240

tncaaaaaaa aagcggcc 258

<210> 18016
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-040-Q1-E1-A11

<400> 18016

gngctcgtcc aaaactcaag ggtccacnca cgcctccntn ggctgncata anacgacaga 60

agggggaact taaacagata tttcataagg aaaatgaagg gtgagttttt cacattgatg 120

gcaataatgt ctctcctctt agccttctcg ttagtccatg gaggaggaga gtctggaaca 180

ccttctaatg cagccgctac cccgactagc ccaaccgaag gatccagtgg ttcaagtggt 240

tcagctcatg gacctaattg nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

nnnnnnnnnn nnnngtcagg ttcaggaact ggatttgggt ctggctcggg angaagaaga 420

accacagacg gtggttctgg ccatggaaat tggaccggac acnctggtta aag 473

<210> 18017
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-040-Q1-E1-A7

<400> 18017

atcacaaaca caaatgagcc acaaaaacga agacatcata tcaagaaacg acgatgagct 60

tcactgcttc tctcgtctct tatttgacgt ctccctcact cgtctcgctc aaccatcttc 120

ctccttcctt cttcctccca accaaacttg tcaagccaac aagcctcact cattcacagc 180

ctccgagatt gtccgcatcc tatggtccag ctgcaaaagc tgctactgcc aacgacgttg 240

ttccagaaac agctccgaca tcagcgtcgg aggtcgtctc cagcttctac gccgccgtta 300

acgtccatga tttatcctct gtcacagacc tcatcgctca ggactgcgtc tacgaggatt 360

tcgtcntctc atctcccttt gttgggccga aangcaattc ctgattcttc gg 412

<210> 18018
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-040-Q1-E1-A9

<400> 18018

acgaagaaga ttctccttct ctccgtcaga caaatctacg aacaagcgag cctgagctta 60

agaccaaact catagagatg ggtttcttct cttttcttgg aagagttctc [illegible] 120

tctttatcct ctccgcttgg caaatgttca atgatggtgg tcctgcagct [illegible] 180

ctccaaagct tgatttggtt aaggcacatt tatcttctag attaggagta acattgcc a 240

aaatagaggt gagacaagtc gttgctacta ttattgccct gaaaggagt [illegible] 300

tctttgttat cggaaacacc ttcggtgctt atcttccggc ttcctacttg gtggttttcg 360

gtcctaatct ctaagaattc tacaactacg ggcctcaaga 400

<210> 18019
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-040-Q1-E1-B9

<400> 18019

caaagggtcc acgcacncct cnntactgnt ncgaganaac gacagaaggg gataaaaaaa 60

agtagaacaa gcaacacaac gcagctaaga aacctcctta aagaacaaag aaaaaacttg 120

gtgaaatcga ttctcttcaa agatcgtctt cctaatcact ttcaacaact cgatcaatcc 180

ttactgagac gatgccgaag aacaaaggaa agggaggaaa gaacaggaag agaggaaaga 240

acgaagctga tgacgaaaag cgagagctta tattcaaaga agatggacaa gaatacgcac 300

aagttcttcg tatgctcggt aacggttgat gcgacgttat gtgcattgac ggtgttaagc 360

gtctttgcca tatccgtggt aagatgcata agaaggtttg gattgctgct ggtgacatca 420

tacttgttgg tcnaagagat taccaagatg ataaagctga t 461

<210> 18020
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-040-Q1-E1-C6

<400> 18020

ctatactgat tcgnaataac nacagaaggg ggccgggagg aatgaaccgg ttgaaggagc 60

aaaaggggcc gaagttcgac ggcgaagaat cacctccacc tgattttgat gaagatcgaa 120

gtgtgggtga ggtagacgga ggagatcaca cgccattcgc tggaggtaaa gtcagaagga 180

aagcgtctcg ctatagagag catcgtggtg actatcttca cgtttcttct cgtcctggat 240

tgatgcgaat tctggagaaa caaggtgata catcgattct ttttgctgat aaagttttga 300

agttcaccgg ctcggggaag atgaaacggc gtatttttat cctcactgat tttgcgatct 360

atctaattga tcccgagact gaagctatga ccaggagaat tgctttgtca tcagtanaga 420

<210> 18021
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-040-Q1-E1-C8

<400> 18021

atgttaaagc ctatttacga agaggaaccg caagagaaat gttaggcgat tgcaagggag 60

ccatagaaga ttccagatac gcacttgtgc tggaaccaaa cancaaacga gcgtctctct 120

cagcagagag actgagaaaa ttccagtgag cttcttttgt ccgtacctca ccgatcattg 180

agaaaacgtt tgttccttag aatttgtcca agagtatagg ccaattttgt caacacttgt 240

cttttgcgtc tgatatttag gcattttatc tagagatacc ttttgcaagt ccgccgagaa 300

tgggaanatt ataatatccg atgtttattt taaacgttct ctaaaattgg atatcaaana 360

gtaatgttaa tcttaaacac cgggataccg gcnttcccgg tcgaaaaaaa aa 412

<210> 18022
<211> 138
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-040-Q1-E1-C9

<400> 18022

cgacagaagg atacggctgc gagaagacga cagaaggata cggctgcgag aagacgacag 60

aaggatacgg ctgcgagaag acgacagaag ggaggattnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnngcggc 138

<210> 18023
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-040-Q1-E1-D1

<400> 18023

aagacgcaga aggggcggtc gtcgccatga gaatctatcc gtcgtttcgt cctcacaacc 60

gtctctgatg ccaaagcaga gatggcttta tattcccgag acgaggttga aaagagaggt 120

tttaaagctc gatgtcgtcg gaagagctgc tgattccacg agctcttctc catcagtagc 180

ttccggtgat agaaccttaa ttcctgatga tgaattcact ttagccaaga tttcatttgg 240

tgttattggg ctaggtctcg gggtttcgct actctcgtat ggttttgggg cctattttac 300

tatccttcct ggaactgagt ggtctgctat aatgctaaca tatggatttc ccctttctat 360

tatcggaatg gctcttaagt acgcagaact caaanc 396

<210> 18024
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-040-Q1-E1-D2

<400> 18024

tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga agggtacggc 60

tgcgagaaga cgacagaagg gttacggctg cgagaagacg acagaagggt acggctgcga 120

gaagacgaca gaagggagaa gtgaacaaga tcattggaag ccgaacggcg ggggaaggag 180

ccatggagta ccttatcgag tggaaggacg gccattctcc gtcgtgggtt ccatcgagct 240

acatcgcanc agacgtggtg tcggagtacg agacaccctg gtggacggca gctagaaaag 300

ccgacgagca ngccctgtca cagctcctgg aggaccgaga ctcgatgccg tggacgaaaa 360

cggccggacg gctctgcttt cgtggcaagt ctggggtccg acaanttcct aag 413

<210> 18025
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-040-Q1-E1-D4

<400> 18025

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attccgataa acaacctccc gaaaagcgag tacggtttcc aaaggggaag aagtcgaaac 120

ctgaacagct cttagaggaa gaagctttag cccgccgcaa agcccgtgat gctgctaagg 180

agcgtgcaaa gattcgcaat cagaatacta ctaagctctt tatcgaagat gacagtgatg 240

atattaatca ggctcaggag acttatgagg atgatggcaa tcgcacagaa gatgggatcc 300

agattgaagc ttttagtctg gacagagaga aagaagaagt tactttgatg ctgatgggaa 360

ctttgtagaa tatgttagag aaaaggaagt caaggatgca tggcttgaca gtattgaaaa 420

<210> 18026
<211> 365
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-040-Q1-E1-D5

<400> 18026

cgacagaaga gtacggctgc gagaagacga cagaagagta cggctgcgag aagacgacag 60

aagagtacgg ctgcgagaag acgacagaag agtacggctg cgagaagacg acagaagagt 120

acggctgcga gaagacgaca gaagggtacg gctgcgagaa gacgacagaa ggggctagtt 180

ttttgctctc tcgaagttcc gtgcgactct ctgctcgagc aagatctcct accgatacaa 240

tgattatctc anaggctaac cgcaaagaaa tctgcaagta cctcttcaaa agaaggagtt 300

tgctttgcga agaaggattt caatcttgct angcatcccg ttgatcgatg tccccaacct 360

ncaag 365

<210> 18027
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-040-Q1-E1-D7

<400> 18027

nagacagaag gggacaccga gaaaggcaat ggagtcggct aaatcaatca tcggtggcca 60

ccaaaatgtc atcctgatgc gtcatggtga tcgactcgac aatttcgagc cactctggac 120

ttcaacagct gcgagaccgt gggatccatc gcttgctcaa gacggtaagg atcgggcctt 180

tagaactggt cagagaatcc ggtctcaact tggggttccg attcaccgtg tcttcgtctc 240

ccctttcctc cgctgcatcc agaccgcttc cgaagtcgtt gccgccctct cagccgtcga 300

tttcgatccc attgctatgt catctaaaga cgtgctttcc atcgacaata ctaagatcaa 360

ggtggctatt gaatttggat tgtccgagat accgcaccca atctttatta acaattgaag 420

ttgct 425

<210> 18028

<211> 180
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-040-Q1-E1-D9

<400> 18028

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gaagacgaca gaaggatacg gctgcgagaa gacgacagaa gggtacggct gcgagaagac 120

gacagaaggg gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngcggcc 180

<210> 18029
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-039-Q1-E1-A7

<400> 18029

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ccgtanggct gcgagangac ganagaaggg gacaggagtc gagagagaan ttagccatgg 120

cgaccagagc tttgctcgcc gttatatatg cgtctccgaa tcgctgctac atctctccga 180

gcaggatcaa aatccaatct ttaacttgtt cttcttcaag tcattattac caaagacaga 240

gtagaaaaaa ccacagaata gctcgaagtt actcgtctga ctcggattcc tccgttcttc 300

agccgccgga tgtggcccgt cttgctcaga cagctcgaat ctctctaact ccggcggaga 360

tagaggaatg tnaaactaaa attcgtcgag tcatcgactg gtttgggcag cttcaacaag 420

ttgatgttaa cagtgtggag ccagctatta gagcagaaat ggatggtgga aatttgcgaa 480

na 482

<210> 18030
<211> 384
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-039-Q1-E1-B4

<400> 18030

gggagagaaa gcaaaaatgg cactaagaat gtgggcttct tctacagcan acgctctcaa 60

gctttcttct tctgtttcca agtctcatct ctctcctttc tccttcncta natgcttctc 120

cacagttttg gagggtttga agtatncana ttcacatgag tgggttaaac atgaaggctc 180

tgttgccacc attggnatca ctgcccatgc tcangaccat ttaggtgaag tngtntttgt 240

tgaactgcca gaggacaaga cttcagtgnt caaacgacaa nagctttgga gcantggaca 300

gtgcnatggc aacaanttag atcttatcac caatctcagg tgaaaatcat tgangttaac 360

aatgaanctc acacaatcac ctgt 384

<210> 18031
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-039-Q1-E1-B8

<400> 18031

agagatcgag agaagaatag tttgatcatc ttgtgagaaa antaatggct gcttcagtga 60

tgctatcttc ggtgacattg anaccanctg gtttcacggt ggacaagacn gcggctagag 120

gattaccgtc gctcacaaga gctcgtccct ccttcannat tgtcgccagt ggcgtcaaga 180

agatcaagac cgacaagccc ttcggaatta acggnagcat ggacttgang gacngcntct 240

acncctccgg cagaaagggc aagggatacc gtgtttacaa gtacgtcgac aagtatggat 300

ctaacgtcga tggatacagt cctatttnca acgagaacga atggtcagcc antggtgacg 360

tntacaaggg aagaatcacc ggnttg 386

<210> 18032
<211> 334
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-039-Q1-E1-A6

<400> 18032

ggtcgcagtg accaggcccg ggcgactgtt taccaaaaac acaggtctcc gcaaagtcgt 60

aagaccatgt atgggggctg acgcctgccc agtgccggaa ggttaaggaa gttggtgacc 120

tgatgacagg ggagccggcg accgaagccc cggtgaacgg cggccgtaac aataacggtc 180

ctaaggtagc gaaattcctt gtcgggtaag ttccgacccg cacgaaaggc gtaacgatct 240

gggcactgtc tcggaganaa gctcggtgaa atagacatgt ctgtnaagat gcggactacc 300

tgcacctgga cagaaagacc ctatgaagcn tcac 334

<210> 18033
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-039-Q1-E1-B9

<400> 18033

ccaagcctcn atactgagtc atnanaacag aaggggggat gaatctaaag caattgtcag 60

atttcagcat ctcccatgga ggaatcaaga ttcgattctg aagatgttga ttatgctgag 120

attgttgttg ttcgtcatgg tgaaacatct tgggatgccg anagaaaaat ccagggtcat 180

ttggatgttg agttaaatga tgcaggaaga cagcaagcac angagagttg canagcggtt 240

atcgaangag canaagatat ctcatgtata ctcttctgac ttgaanagag cctttgagac 300

tgctcagatc attgctgcta aatgcngcan gcttgacgtg cttaccgatc tgatttgcgg 360

gaaanacatt tagggagatt gcaaaggact tgtgtatcaa gaagcttcaa aaattcgncc 420

ggaaccttac aangcttttc atct 444

<210> 18034
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-039-Q1-E1-C11

<400> 18034

aacgcgggtc nacccaagcc tcnntactgn ttcgaaanaa cgacagaggg gaaccaaaaa 60

aaaaacacct ccgatctcgg cgagagaaag agaaacgatc tgtgagagag aatggatcag 120

atcttgaaca aggtaggctc gtactggtta ggtaagaagg tgaacaagca gctcgattcc 180

gtcggtgacg atatcaactc tttgtcttcg agcatcgaag gaggaacaaa atggttggtg 240

aacaaaatca aaggaaaaat gcagaagcca ttgcccgagt tactaaagga gtttggtttg 300

cctgtgggga tctttccacg tgatgcaacc aactacgagt tcaatgaaca gacgaggaag 360

ttaactgtct ttattccatc aatctgcgaa gttggttaca aagatacatc agtcttgaga 420

ttcaccacta cagttaccgg atttctcgag aagggaaa 458

<210> 18035
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-039-Q1-E1-C12

<400> 18035

caaaaaaaaa acacctccga tctcggcgag agaaagagaa acgatctgtg agagagaatg 60

gatcagatct tgaacaaggt aggctcgtac tggttaggta agaaggtgaa caagcagctc 120

gattccgtcg gtgacgatat caactctttg tcttcgagca tcgaaggagg aacaaaatgg 180

ttggtgaaca aaatcaaagg aaaaatgcag aagccattgc ccgagttact aaaggagttt 240

ggtttgcctg tggggatctt tccacgtgat gcaaccaact acgagttcaa tgaacagacg 300

aggaagttaa ctgtctttat tccatcaatc tgcgaagttg gttacaaaga tacatcagtc 360

ttgagattca ccactacagt taccggattt ctcgagaagg gaaagcta 408

<210> 18036
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-039-Q1-E1-C4

<400> 18036

caancctcta aagtcactcg tgcttaacgc gtccgcccac gcgtccggac gacagaaggg 60

gacttcatcg ctcttttatc gttaataatc ataaagaaaa tcaaagactc gaaccgaaat 120

cttcctccga gcccactgaa gctaccggtt atcggaaacc tataccagct tcgaggattg 180

tttcacaaat gtcttcacga tctctccaag aaacacggac ccgtgttgct tctccgtcta 240

ggttttctct atatgtttgt gatctcatcg accgaagcaa gctgacgaag ctcttaaagt 300

acatgacctt gagtgttgtt ccagacctat aactaancgt cncancanaa ctctggcgtg 360

acggtcaaga tatcggccta nncccatatg gtgagtccct tgagagagtt tgccgggaag 420

cnttcctttt ctcaangttt ttc 443

<210> 18037
<211> 374
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-039-Q1-E1-C6

<400> 18037

ctcactttgt tcatctaaaa actcctcctt tcatttccaa acaaaaactt ctttttattc 60

tcacatctta aagatctctc tcatggcgat gtctttctca ggagctgttc tcactggtat 120

ggcttcttct ttccacagcg gagccaagca gagcagcttc ggcgctgtca gagtcggcca 180

gaaaactcag ttcgtcgtcg tttctcaacg caagaagtcg ttgatctacg ccgctaaagg 240

tgacggcaac atcctcgatg acctcaacga ggccacaaag aaagcttcag atttcgtgac 300

gggataaaac naaagangca tttancagat gggtgaagaa agccgaaaga ctacgttggt 360

tgaaaaaaaa cagt 374

<210> 18038
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-039-Q1-E1-E1

<400> 18038

ccttaatcca ttcttgtggt cacttttttcg tccttaaccc atctagaaca gattttgatt 60

ctaaagtctt gtgaatcggc agcggaagaa gagtgaattg ttcatcctta tcttgccatg 120

gctatgtata ttcgtgtgaa gcgcatgaaa actacttact ttatccaatg tgatccaaca 180

gagactgttt tggntgttaa gcaaaaactg tttgctctca ttgagcaacc agttaacaat 240

cagcgtctgg tcttaatgtc taccgnanaa gtattagagg attcganatc cttagcagat 300

canaaggttg agaatgatgc agttgtggct ttgactttga agaaagatga taacgagttt 360

gangatgtca acattgcaca agcccaacga cttctcactt tcaatgaaga g 411

<210> 18039
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-039-Q1-E1-E2

<400> 18039

ttagctgccg gcncaggttt nanacgcccg ggtcnacgca aacctcnntg ccnaatcang 60

anagaaaggg caggagagcc atttggatag actaaacgtt cctgtgagct ggctggggtt 120

aacaaaactt gtgagttggt tctacnctga tgagttgcca aagcctccat cgggttgcaa 180

gtggaacaac atggacactg aggcaaagct ggatgagctt caagcttatg tggagatata 240

ctcgctttct gaatggtgga ttatggaaga acttcaaaac gattgcgctc atgtgattct 300

ctcttgcttg gaatccgcta gagagttatc tatcanaaca atcgaattag ctgcgagttt 360

ctcgatgtgg gaaactggtg gaagctgctg cctaatcatg cagctcccat ttatcatcag 420

cttcgttgac tcanggtgag ctcgatgang ctagacgacg 460

<210> 18040
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-039-Q1-E1-E4

<400> 18040

taacgacaga aggggacaga aacaaacata agccaatgga aacaaaaaaa ttctaaggtg 60

aaaaaagcca atcaggaagc tgagtaaact ctaagctcac acaaaaatgg cgtctcttct 120

tggaacatct tcttctgcaa tctgggcttc tccttcactc tcttctcctt cctcanaacc 180

ttcctcctcc cccatttgct tcaggccagg aaaattgttt ggaagcaagt taaatgcang 240

aatccaaata aggccaaaga ngaacaggtc tcgttaccat gtttcggtta tgaatgtagc 300

cactganatc aactctactg ancacgtact anggaagttt gantcacaga ngantngcga 360

agaccggttn anccntttgc nnctatagta nggcnngatg agatgaaatt atgtcntttg 420

t 421

<210> 18041
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-039-Q1-E1-E9

<400> 18041

aagttcnatt cagntcgcca cannnccacn natcnnggggt ccacccaagc ctctatactg 60

attcgaaana acgacagaag gggggggaaa aattggacta ttcggtgggg ctggcgtggg 120

taaaacagta ctaattatgg aattgatcaa caacattgct aaagctcatg gtggtgtatc 180

cgtatttggt ggagtaggcg aacggactcg tgaaggaaat gatctttaca tggaaatgaa 240

agaatctgga gtcattaatg aacaaaatct tgcggaatcc aaagtggccc tagtttatgg 300

tcagatgaat gaaccgccag gagctcgtat gagagttggt ctgactgcct taactatggc 360

agaatatttc cgagatgtta atgagcaaga cgtacttcta tttatcgaca atatcttccg 420

tttcgtacaa gcaggatncg aggtatccgc cttattgggt aaaatgcctt ctgctgtggg 480

ttatcaa 487

<210> 18042
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-039-Q1-E1-F1

<400> 18042

aacgttacgc ctgccngtan ngngtcttaa aagncccggg tcgacccaaa ncgtccgtgg 60

cgctgcnagc gacaaaaggg gacggaagaa tcagatcaac gcatgcgacc aagtaaatca 120

anatcgggtt gangaanaaa gagataagct ttcacatcaa tttttgaagg cgcnaaatgg 180

ggaatacttc atcgatgctg actcagtacg acatcgaaga agttcagagt cattgtcatg 240

atctatttga gcagcaggag attttatctc tgtatcaacg gttttgccag ttagatcgaa 300

acgcaaaagg ntttatatct gctgatgagt ttctctctgt gcctgagttt gcgatgaatc 360

cactctctca gaggctgctt aagatggttg atggtttgaa ctttaaggat tttgttgctt 420

tcttgtctgc gtttagtgcc aatgctagtc taagacnaga aagttcaatt tgatcttaaa 480

gtcnatgatt 490

<210> 18043
<211> 75
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-039-Q1-E1-G11

<400> 18043

actnagtcat aatacgacag aagggttcat cgcacctttt taaaatatat aaaaatacga 60

atgtgtgttg attga 75

<210> 18044
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-039-Q1-E1-G6

<400> 18044

aacttttnaa ccgccccgta ccngtccaaa aattcccggg tcnacccacg cgtccgncca 60

cgcgtccgta cggctgcgag aaacgacaga aggggaggag agacaaagaa ggatgagtat 120

gttgtcaggg aaagctgctt acgatctctt tgtctatggc agtctccagg aacccgaagt 180

cgtatacgtg cttcttaatc gcgtccctga ccatgtctcc gccgtactct ccggctttca 240

caggtttaga ctcaaaggcc gtgtctatcc aacaattcta ccggacggta ccggaaaagt 300

caacggaaag gtgctaaagg gcataacaga tgatgaactg aagatgttag atgagtttga 360

agatgttgaa tatgacagaa agactgttga agtaatgctg acggatactt cagagaagct 420

gcaagtcgaa acatatgtnt ggaagaacaa agatgattcg gatcnttatg gagaa 475

<210> 18045
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E2-C9

<400> 18045

gcgtccgtac ggctgcgaga agacgacaga aggggaacaa cgaaatggac gatttctcaa 60

tccctatgaa atctaacggt aacttagatg ttccaccacc agcaccagct aacttcatcc 120

gtcctggaaa acgacctttg tcctctatgt cacccaccat tgtactcaag gacggtaaag 180

tgaaagccgc tgtgggtgcg agcggaggag ccaacattat tgccgggaca acggaagttt 240

acttgaatca ttttttcctc aagatggatc ctctttcttc cgtcttagct ccaagaatct 300

accatcagct gataccaaac agagcttcgt acgagaactg gacaacagta ttcaatgatc 360

atttcgagat tcctaaagca acaagagttg tgttggagaa gaaaggtcat gtcctatctc 420

ctattgccgg agggacnatg ctcaattc 448

<210> 18046
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E2-C5

<400> 18046

aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtgccgaaa agagagagag 60

aaaacaaatc aagnaatggc tacccgaaaa gctctgatca acgttcaccg gatcattcgc 120

tccaccgccg tggttggccg gagctctatc attcctgccg ccgctaaccg gtcatatcct 180

attatattcc ggaatggant tgatttgggg gcganattct tctgtgagaa cactgcgtct 240

gcncaaaatt tcgatattga tctctctaac gaanagaata agagaagaac gatcaacaga 300

ttgttgtata ggatcaagca aananggttt ttgggaacnt gatcatgttt tgnggaattg 360

ggttgacgag aatgtnaatt ccatggacga naatggtgtt taatcctaan tcatg 415

<210> 18047
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E2-D11

<400> 18047

agaaggggac ggctganaga aagtaaagag aaaaacccta atcttcatct tcatcttctc 60

ccgccgtcgg ccgtaagagg tttcgaagaa gcaaagtgag caacantggc gggaggcaag 120

atcaggaagg agaagcccaa ggcttcgant agagcaccat cgaaccatta ncangganga 180

atatcgttcc acaantcgaa agggcagcat anccttaana accctctgct tgtggattcg 240

atcgttcaga aagctggtat caanagtacc gatgtgattc tcgagatcgg tcccggtact 300

ggaaacttga ccaagaagct tctagaagct ggcanagaan ttatcgccgt cgaacttgac 360

tctcgtatgg ttctcgagct tcagcgccgt tttcaaggga actcccttct ctaaccgctt 420

gaagg 425

<210> 18048
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E2-D5

<400> 18048

aagacgacag aaggggaaca tcaaaaacta acacagaaag aaaaaaaaca gttcctgttc 60

tattagattg ttttctaaat tgtctgaaaa tcatggnagt aacttcccaa tctaccctcc 120

ctccagggtt cagatttcat cctaccgacg aagaactcat cgtttactat cttcgaaacc 180

agaccatgtc taaaccatgc cctgtctcca tcatcccaga agttgatatc ctacaaattc 240

gacccatggg caattacccg agaaaacaga gtttgggaga aattgattgg nattccttna 300

gcccnaantg aaaggaaatt tnccaatngg gnttcagncc aanccggggn agttgtttcc 360

ggttattgga aaccaaccgg gtacagacaa anccattc 398

<210> 18049
<211> 210
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E2-D8

<400> 18049

acgcgccctg tagcggcgca ttaagcgcgg cgggtgtggt gggttacgcg caagcgttga 60

ncggctaaca acttgccaac ggcctaacgg cccggctccc ttncgcttcc ttcccttcct 120

tcctccgcca acgtttcgcc gggcttttcc ccgtcaaagc tccaaaatcc ggggggctcc 180

cctttaangg gttccgaatt tantggcttt 210

<210> 18050
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E2-E8

<400> 18050

ggctgcgaga agacgacaga agggtacggc tgcgagaaga cgacagaagg gtacggctgc 60

gagaagacga cagaagggga gcggcggtga gattagagaa gaagggtttg tgaaatggag 120

tccagtgagg atgtggagaa tctgagtaga gctattgaga agcttcttca tgagaagagg 180

aagagagaag cttctggtga cgccttcatt gaagacgctg atgatcagct tttcctctct 240

agccttatct ctcagttgnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnttcttcac catccanagg aaaaagcnan 360

ggccatagac attgggaaga aatntanaaa gaaattactt aata 404

<210> 18051
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E2-E9

<400> 18051

gcgtccgtac ggctgcgaga agacgacaga agggggaaga agaagatcaa aaccatgacg 60

agtcaccacg cgatcgaagt gacgaagacg gtgctggaag tagccgacgt agcatggacc 120

gcggtggaaa cttnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn gtcaacgaat 180

ccaatttctg atccacgaga tcgtgaatta gaagctcttc gtcaagagaa tcgtcgtctc 240

aggactttgc ttgaatcgaa tcttaaactc tttgagactc tcgctgaatc tgctgcgttc 300

tctcatgatt gccctagcga cctctatgct aggcttgtaa cgatggttac ttcaagagat 360

ttcttggcta gattagagaa tctaagacaa gctttatcta atggaactca gaatcaattt 420

cattcaagga accancagaa gatgatgtg 449

<210> 18052
<211> 380
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E2-F10

<400> 18052

tcgttcatta tgaccctaaa gccattgggg ttgacgccaa gaaggctttt ctattcanaa 60

acatgcattt ctacgcagag ccaagagccg ctaaggactt attagggtgg gagagtaaaa 120

cgaatctgcc tgaagatctc aaggagagat tcgaagagta tgtgaagatt ggcagagaca 180

agaaagagat taagtttgag ttagacgata agatactcga agccctcaaa actccagtgg 240

ccgcttgatc aaatacgcca taaagtttgt tcttcatttg taacttctta tgctacactg 300

tgctctttca tttcccacgg ctcatatgag atgaacatga tttcagctaa aagatcattt 360

aaatattcat aaacaacana 380

<210> 18053
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E2-F2

<400> 18053

agaagggaac tttggtattg tgttcgcaaa tatcttggtt ttgattcaaa aanaanaaaa 60

aggtaaagan ncnaaaaaan aaagcggccg ctctagagga tccaagctta cgtacgcgtg 120

catgcgacgt catagctctt ctatagtgtc acctanattc aattcactgg ccgtcgtttt 180

acaacgtcgt gactgggaaa accctggcgt tacccaactt aatcgccttg caancacatc 240

ccccttcgc cagctggcgt aatancnaat anggcccgca ccgattcgcc ttcccaaaca 300

agtttgcgca accctgaaat gggcgaaatg gggaacgccg ccctggtaan cgggggcaa 360

ttaancnccg ggnggggtgt tgggtnggtt tacnccgcaa gccgttgaac ccggcttnca 420

acntttgccc aancggcccc taaacggccc cggatcccnt tt 462

<210> 18054
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E2-F3

<400> 18054

ggctgcgaga agacgacaga agggtacggc tgcgagaaga cgacagaagg gtacggctgc 60

gagaagacga cagaagggta cggctgcgag aagacgacag aagggtacgg ctgcgagaag 120

acgacagaag ggggaagctt agagaatcat ttgttcagaa gaggttctta ttttcaacct 180

ttatcttgga ctctccggtt gaaagttgct cttggtgcag cgaaaggtct tgcgtttctt 240

cataacgccg agactagtgt catataccgc gatttcaaaa cgtcgaatat actgcttgat 300

tcggagtaca atgctaanct ttctgatttc ggggctaact aaagacgtcc aacgggtgat 360

aaaagccatg tctctacccg gtnatgggta cttaccggta cncact 406

<210> 18055
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E2-F8

<400> 18055

ggctgcgaga agacgacaga agggtacggc tgcgagaaga cgacagaagg gtacggctgc 60

gagaagacga cagaagggta cggctgcgag aagacgacag aagggtacgg ctgcgagaag 120

acgacagaag ggtacggctg cgagaagacg acagaagggt acggctgcga gaagacgaca 180

gaaggggggac nacaattcaa acttgtacgg actaagacca gactctctct gacgttgtca 240

gatctgcgac ctgctagcga nangatgcga gaggaaactg tggtttacga gcaggaggag 300

tctgtttctc acggcggggg gcaagcacan gatccttgca gagcttgccc gcgttgaaca 360

agaantcctt tccttggaga aagaatttaa ngaagtcc 398

<210> 18056
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E2-F9

<400> 18056

tcactgtgaa ttaatcgaga gatctaaata tccgccatgg acagagcaca attgatcttg 60

ttaggtctac ctatattctt gttttgttcg gatctcttca acctcttcac tcctccgcct 120

cctaaacctc agcctcaccg tcctcatcag ccaccgcata ttcctcacca gcatcgtcct 180

aatgcgatca tccccgaaac cctagacttt ccttcacaga agacaagtgg cttaggaggg 240

gcaattggat atggaaatac agtagagatc aacttctgcg tctcctgttc ttacaaggga 300

actgcagtca ccatgaagaa gatgttagag acggcttttc ccggtttaga tgtgattctc 360

gcaaattacc caccaccagc accaaaaacg ccttctagct aaggttgtgc cn 412

<210> 18057
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E2-G5

<400> 18057

agaaggggga gttcaaaaga aagtaagttg aagtcaatgc aagaagctct tgaccaaagt 60

agaaccgaga tgaaggctaa gttttctgct gcttccatga agaggcagga ttcgatatca 120

agtacccgcc aacgtgcaga gaagttcaga tcttttaact ctcggacaag ttcgaaaaag 180

tatcagcatc ctataagctc attacagagt gaagaggaaa acgaaaaaga taggctagtc 240

agtggacaat ccattggaaa aggtgcttct aagagctccc aagttagaaa ggttccatcc 300

ccaaacgggg aagctcacga agtctcaaaa ccgtcaggta aagtttcaaa cacaaacact 360

aatacttctg ggagangacg aaaaacatca gaga 394

<210> 18058
<211> 445

<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-036-Q1-E2-H12

<400> 18058

gcgtccgtac ggctgcgaga agacgacaga aggggaaggg cctcagaagg aacttgggca 60

acttggtgtt tttgctgagc tgcaagcgct cttccctggt ctgcgcattt atgtagattt 120

gattggacct gacgttccac aacatatgga tggagaaatg atctcccttt gcagatattc 180

cccttgcatg ggaaaagaat gtgaatgtaa aaattcaagc aaaattctca attccgggag 240

caaacctgct ttggtttcgg ctgtgtcatt acagctccgt agagggtttt accatgatcg 300

ttacaatgac ataacaaagg attcatttcc tccacacata gtgattgctc caaacgcaag 360

catcgctgca tatccaagct ggttgccaac tattgaactg ataagggaga tacaagtccc 420

aacagtattc tccgaatact gtgaa 445

<210> 18059
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E2-H3

<400> 18059

agcagaaatg gcgaaatcac tcctttgttc atcaacctta aacccttttct tctccaccac 60

tctctcctct tcgaagaaga accaaattgc atactcggga aacagcaaga accagacatc 120

gtcgtctctg ttatggaaaa gaagggaact gtcgcttgga tttatgagca gcttagttgc 180

gattggtctc gtgagtaatg acagaagaag acacgacgcg aatgcagcga ttcttgaagc 240

tgatgacgat gaagagcttc tcgagaaagt gaagcaagat cagaaaaaga ggattgagag 300

acaagctgtt ctcaattctg ctgtcaagga aaagggtatt ttgcaggatc ttgtttacaa 360

gttgancaag gtaggacaag ccattgagaa catgatttaa caactggc 408

<210> 18060
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E2-H8

<400> 18060

aagacgacag anggggcgaa acaaaaactc gtggaggaga tatgcaattg ctgacgctaa 60

atccggcggc catttccagg acgccgccgc aagccatana cccttcctca tcctcgagtc 120

ttcttcntcc ttttcctcag attttgagct cccaacgcgc tcttggtctt gtanctaggc 180

cttgtaatcc acttcgacga ggattatcta ggtttttatc aagtcgacag ctttccgac 240

gatccaaagt tgtcaaggca gtagcaaccc cagaccccat cttggaagta cctttaactg 300

aggaaaatgt anaaagcgtt ttggatgaaa tccgaccttа ccttaagtct gatggtggta 360

atgtggcatt acatgagatn gaagggaaat attgtgccgg ttaagccgca cgg 413

<210> 18061
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E1-H4

<400> 18061

aagacgacag aagggtacgg ctgcgagaag acgacagaag gggtagccga gaaacaacgg 60

ttggcgaagt catctcttgc tttcaattgt aaaagtgtaa cattccggaa actatttcct 120

gagtatgtcg agaagtacag ccagcaacaa gtagctgaag aagaagcagc cactcaacag 180

acaacaacat ctgagaatca ggattttcct cagaaggaca atgcgaaagt cgaatcagag 240

aaaagcgttg gtcttaaaaa ggaaagtatt caagaagtgg gattgaaaga gaggagaagg 300

aacaagaaag aagcattacc gggttggata atattgttgc tagtatcgat tgtccgtgtt 360

gtaatggcgt tgccnttgcn tcaactgtga tttagatgca aatgcaacgc aacacaacat 420

<210> 18062
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E1-H7

<400> 18062

gcgtccgtac ggctgcgaga agacgacaga aggggaagca agagagtatt ttggggaagc 60

tcttcttcat ggagcttgaa ttctcactct gctactgcta aatcgatgtt agatagtgcc 120

catcgccagt attctactca ctctccatcg gaaaccaaat cacagaaaat gctctattac 180

ctcaccgctg ttgtctttgg tatggtgggg ttaacttacg ctgctgtgcc attgtataga 240

acattctgcc aagctactgg atatggaggt actgttcaac gcaaagagac tgttgagaag 300

aagattgcta ggcattcaga atctggtacc gtcactgaaa gggagattgt ggtgcagttc 360

aatgctgatg ttgcagatgg gatgcantgg aantcaactc cncacaaaga gaggttagag 420

taaagccagg agaaagtgca ctccccattt t 451

<210> 18063
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E1-H8

<400> 18063

aagacgacag aaggggcgaa acaaaaactc gtggaggaga tatgcaattg ctgacgctaa 60

atccggcggc catttccagg acgccgccgc aagccataga cccttcctca tcctcgagtc 120

ttcttcttcc ttttcctcag attttgagct cccaacgcgc tcttggtctt gtagctaggc 180

cttgtaatcc acttcgacga ngattatcta ggtttttatc aagtcgacag cttttccgac 240

gatccaaagt tgtcaangca gtagcaaccc cagaccccat cttggaagta cctttaactg 300

aggaaaatgt agaaagcgtt ttggatgaaa tccgaccttа ccttatgtct gatggtggta 360

atgtggaatt acatgagatc atggaatatt gtgcgggtaa ncgcaggga 409

<210> 18064
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E1-H3

<400> 18064

agcagaaatg gcgaaatcac tcctttgttc atcaacctta aacccttтct tctccaccac 60

tctctcctct tcgaagaaga accaaattgc atactcggga aacagcaaga accagacatc 120

gtcgtctctg ttatggaaaa gaagggaact gtcgcttgga tttatgagca gcttagttgc 180

gattggtctc gtgagtaatg acagaagaag acacgacgcg aatgcagcga ttcttgaagc 240

tgatgacgat gaagagcttc tcgagaaagt gaagcaagat cagaaaaaga ngattgagag 300

acaagctgtt ctcanttctg ctgtcaaagg aaaangggta tttgcaagga tcttggttta 360

caaatttgag caaggnaagg acaagccaat gaagaacaaa tgatttaaca acttgcaagg 420

tttggntt 428

<210> 18065
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E2-A1

<400> 18065

gaagggtacg gctgcgnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnngcg gccgctctan 120

aggatccaag cttacgtacg cgtgcatgcg acgtcatagc tcttctatag tgtcacctaa 180

attcaattca ctggccgtcg ttttacaacg tcgtgactgg gaaaaccctg gcgttaccca 240

acttaatcgc cttgcagcac atcccccttt cgccagctgg cgtaatagcg aagaggcccg 300

caccgatngc ccttcccaac agttgcgcan cctgaatggc gaatgggacg cccctgtacc 360

ggngcaataa ncnccgcggg tgttgtggtt accccaacgt gaccctaacn tg 412

<210> 18066
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E2-A10

<400> 18066

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnggatta ccggagttcg aagagtcggc gccggatggc tttgatccgg aaaatccata 120

caaggatccg gtggcgatgg ttgaaatgag agagcacatc gttcgagaga aatggatcca 180

aatcgagaag gctaagatct tgcgtgagaa ggtcaaatgg tgttaccgcg tcgaaggagt 240

caatcactat cagaaatgtc gtcatcttgt tcagcagtat ctcgattcca ctcgcggcgt 300

cggttgggga aaggatcatc gtcctatttc gctccacggt cccaaaccgg aggctgttga 360

agctgaataa tgttgtgtgc ctcattgaga tgtctgaagt ttttgatatg ggacatagaa 420

t 421

<210> 18067
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E2-A11

<400> 18067

gctgcganaa gacgacanaa gggtacggct gcgagaagac gacagaaggg tacggctgcg 60

agaagacnan agaagggtac ggctgctaga agacgacaga anggtatggc tgcgataaga 120

cnacagangg ggagaaacca caagagaaaa aggtgagttt gagggaactt ccaangtata 180

aatgggtcga tgtcagagtt ggcgagttcg tacctgataa atcctctgcc ggacagatca 240

ctttctcaat gtatgagcat gcggctggtg tttggnagaa agggctctcc tcaaaggtgt 300

tgcaattcgt cccaganagt aataattgtt atggcatagn caacatannt ctccntntgc 360

accaatggaa cttctcanca tatatttcac atcatgtcat gtntgtataa taacggttgt 420

tcca 424

<210> 18068
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E2-A3

<400> 18068

nacttcgnta nggcngcnaa aacnacagaa gggggaccaa aatcgtcnat tgaagtgaac 60

agtcagcatc gttttgcttg cttgtgcgtt tctctcgaac tctctccatg gctgttgcgc 120

tccaattcag ccgattatgc gttcgaccgg atactttcgt gcgggagaat catctctctg 180

gatccggatc tctccgccgc cggaaagctt tatcagtccg gtgctcgtct ggcgatgaga 240

acgctccttc gccatcggtg gtgatggact ccgatttcga cgccaaggtg ttccgtaaga 300

acttgacgag aagcgacaat tacaatcgta aagggttcgg tcataangag gagacactca 360

agctcatgaa tccagaatnc aacaattgat aaaattggag aacactgaaa acaaatgggt 420

aaaactaatc cttgggaaaa tgttacngtg aa 452

<210> 18069
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E2-A5

<400> 18069

agaaggggga cgaagaaaat ggcggatttg attttgagtt cctcctctgc acaatcctct 60

ctccttcacg tcagacctaa tcactatcta ctcaatacct ccactgcttc accgatccga 120

agtgtcagat tccaaaattc caacggtttt catcctctgg cgttcgcatc tggtcaccga 180

cgacttcctc tcggtgcagt agttccctct gactccacta agacgatcac cagtacgatt 240

actgctaact gcgttgattc gggagtcaaa gctgttgaag tcgagcctat gatcgattac 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

aatgacgacn ggaggggaag acgataagga gganatgacc ggaagaagaa cacnctctgt 420

<210> 18070
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E2-A6

<400> 18070

aagacgacag aaggggatg tggcaaggct acacttgtgt ttgcacttga ttatcttttc 60

aagacaacaa aaaagaagtc agcgacgata tccgtagacg atttttactt gactgcagaa 120

ggccaggctg aattgagaaa aaagaatcca ggaaatgcac ttctagagta tcgtggaaat 180

gcaggaagtc atgatctgaa actttctgtt gaaacactag aagccctgtc gaaactgacc 240

aaagaaggct taaagatgaa ggtacctagg tacaataagt ctgcctatag tgggagaggt 300

gacanggccg attcatcaac atggcctgaa gttgaaggac ctctatcggt tattctcctt 360

gaaggaatgg atgcttggtt ttaagcctcn tccagctgac gttgttaaag caa 413

<210> 18071
<211> 200
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E2-B1

<400> 18071

ggctgcgaga agacgacaga aggatacggc tgcgagaaga cgacagaagg atacggctgc 60

gagaagacga cagaaggata cggctgcgag aagacgacag aaggatacgg ctgcgagaag 120

acgacagaag gatacggctg cgagaagacg acagaagggc nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnngcggc 200

<210> 18072
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E2-B10

<400> 18072

agaaggggac cacttgcagt ttttcttatt ctcctgtctt gtctaaagaa aaaagagaga 60

ggaagaaatg gagacttttg aggaaagctc tgatttggat gttatacaga aacatctatt 120

tgaagacttg atgatccctg atggtttcat tgaagatttt gtctttgatg atactgcttt 180

tgtctccgga ctctggtctc tagaaccctt taacccagtt ccgaaactgg aacctagttc 240

acctgttctt gatccagatt cctatgtcca agagattctg caaatggann nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnntga ggttgagact gtctcaaacc ggaaaaaaac 360

aaagaagttt gaagaaacga agacattaca gaagcgtgag aaggangcca tgggggaaat 420

ttgca 425

<210> 18073
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-036-Q1-E2-B11

<400> 18073

tcttcagaga atttcacctt ctagggtttg ttcaagagag gtcttgggaa aatgagtcgt 60

ggaggtgcag ctgttgccaa gggaaagaag aagggagttt ccttcaccat tgattgttca 120

aagcctgtcg atgacaagat catggagatt gcttcccttg agaagtttct tcaggagagg 180

atcaaggtcg gtggcaaagc tggtgcactt ggtgattctg tcacaatcac acgtgagaag 240

agcaagatca ctgtcactgc agatggccaa ttctccaaga ggtatttgaa gtacttgaca 300

aagaagtgcc tgaagaagca caatgtaagg gattggctca gagtgattgc agcaaacaag 360

gatcgtaacc tctatgagtt gaggtacttc aacattgctg agaacgaagg 410

<210> 18074
<211> 278
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E2-B5

<400> 18074

actgttcttc tngcgccgta ccggtcaaga aattcccggg tcgacccacg cgtccgtacg 60

gctgcgagaa gacgacagaa gggtacggct gcgagaagac gacagaaggg tacggctgcg 120

agaagacgac agaagggtac ggctgcgaga agacgacaga agggaaaact ctttcttatg 180

tcttgttgat ctcaatagca ttgatacaat gtatatatat gcaatttaga atatgttcta 240

tcnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngcggcc 278

<210> 18075
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E2-B8

<400> 18075

gacganagna ggggggggcaa ggccttatag agattacaca acacaganan attacacact 60

ganaaacaga naatggtaac tgangccttg cccaaatgcc ctgaanctcc actcgtactt 120

ggactccaac ccgcagctct tatcgataac gtcgctcctg ttgattggcc tttactcgat 180

caaattcccg gtgatcgcgg tggctccatt gccgtgcana angatgagtt anaagcacat 240

gctaaaagag cttgatgcac atatcagttg tggctccatt aaataagatg gctgngagga 300

agtgtgacca atacaattcn angcttgaag tgttgggttc ggtgtagcca ctgggattat 360

tggtgcctat gganacgatg aacaacgcca attgtttgtt agcaataagg gttttaatg 419

<210> 18076
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E2-C4

<400> 18076

agaaggggggg agctatcgaa aattctgaat ctgaaaggtt tgagtgaaga tgtcttcaga 60

tcggaaggtt ctaagttttg aagaagtttc aaagcacaac aaaactaagg attgttggct 120

tattatttcc ggcaaggtgt atgatgtgac tccattcatg gatgatcatc ctggaggcga 180

tgaagtcttg ttgtcctcaa cagggaaaga tgctacaaat gattttgaag acgttggtca 240

cagcgacact gcaagggaca tgatggacaa aatatttcat tgggtgagat ttgattccgt 300

cctaagtgtt ccaagcaact aaggacatac gttgcaacca caagcaaacc aanctgcaac 360

caaagacaaa gacaccaaga attcaattat caaagaatcc ttcaagttcc cttgttccga 420

ttcttgatct tgggaat 437

<210> 18077
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E1-A6

<400> 18077

aagacgacag aaggggggatg tggcaaggct acacttgtgt ttgcacttga ttatcttttc 60

aagacaacaa aaaagaagtc agcgacgata tccgtanacg atttttactt gactgcagaa 120

ggccaggctg aattgagaaa aaagaatcca ggaaatgcac ttctagagta tcgtggaaat 180

gcacgaagtc atgatctgaa actttctgtt gaaacactag aagccctgtc gaaactgacc 240

aaagaangct taaagatgaa ggtacctang tacaataagt ctgcctatag tgggagaggt 300

gacagggccg attcatcaac atggcctgaa gttgaaggac ctctatcggt tatcctcttt 360

gagggatgga tgcttggttt aaacctcttc aactgacgtt gttaaagcan ttgacccac 419

<210> 18078
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E1-A8

<400> 18078

agaaggggat cgaaacaaaa aataattaag agagaaaaaa acaaaaaaca ttttccatct 60

ctctctctct ctctctcgcc tgcttcaaga aatggatcgg caaagttccg atgacatcat 120

gaaatttctc gacggcatgg ctagttccga cgatgttctt tttggcttcc tcgacgaagg 180

aaaccactca ccgaagtatc tagcctcctc cgagaagctg gctatgattg cgtcatttcc 240

aaatctaagt ggagaagctc tcatgagatc cctgcaggtg agcatgaata cttggaggtc 300

gtggacaaat cggtttcaaa gaaaggcgag attcgggtgg tgatcgaact atgttttang 360

gcggagtttg acatggcaan agcagtgaag agtacaagcg actcatcgga atgttaccgg 420

aat 423

<210> 18079
<211> 201
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E1-B1

<400> 18079

ggctgcgaga agacgacaga aggatacggc tgcgagaaga cgacagaagg atacggctgc 60

gagaagacga cagaaggata cggctgcgag aagacgacag aaggatacgg ctgcgagaag 120

acgacagaag gatacggctg cgagaagacg acagaagggc nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnngcggc c 201

<210> 18080
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E1-B4

<400> 18080

ttactctgcc gncncggtcc gaaatncccg ggtcnaccca cgcgtccgta cggctgcgag 60

agacgacaga agggtacggc tgcgagaaga cgacagaagg gtacggctgc gagaagacga 120

canaagggta cngctgcgag aagacgacag aagggtacgg ctgcgagaag acgacagaag 180

ggtacngctg cgagaagacg acagaagggg agagaagaan aanatgtcna tgattccgat 240

cagcaatcgc cggngactat ctcccggcga tagaatctgg gaaccatttg aactcatgaa 300

cacctttctt gatttcccat caccagctct ctttctttct caccactttc cctcacnttc 360

tcgagaaata ntcccacaaa cttcatcatc caccgtcaat acgcagctca atttggaccg 420

anactccgac ggntcacgtt ttcaaancgt atcctccggg agtggatcaa gacaantgat 480

tg 482

<210> 18081
<211> 192
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E1-B5

<400> 18081

ggctgcgaga agacgacaga agggtacggc tgcgagaaga cgacagaagg gtacggctgc 60

gagaagacga cagaagggaa aactctttct tatgtcttgt tgatctcaat ancattgata 120

caatgtatat atatgcaatt tagaatatgt tctatcnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnngcgg cc 192

<210> 18082
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E1-C1

<400> 18082

ntgtttactt ctgccggtcc cgggtccgaa aattcccggg gtcnacccac gcgtccgacg 60

gctgcgagaa gacgacagaa gggtacggct gcgagnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ntgaatttca tctccgatca 180

ggtaaagaaa ctctcaagct caacaccaga ggagccagac cacaacaagc cagtcgaagg 240

aaccgaaaca gctacaagac cggctgccaa cgccgagccc atggcaagtg ccaaggttgt 300

agctgaagct gctcaagccg cagctcgtta acgaatcaga caaactcgac aaggggtaan 360

tcgccgaagc tctgctgata tcttagacgc tgccgaaaaa tacgtagttt catgaaagat 420

natactgtca atactcnaca aggtgagaan ttctcaacga ctacnattct caaatccacc 480

gggctggtgg ccnccc 496

<210> 18083
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E1-A5

<400> 18083

cgnaattctc gggtcaaccc acgcgtccgt acggctgcga gaagacgaca gaaggggggac 60

gaagaaaatg gcggatttga ttttgagttc ctcctctgca caatcctctc tccttcacgt 120

cagacctaat cactatctac tcaatacctc cactgcttca ccgatccgaa gtgtcagatt 180

ccaaaattcc aacggttttc atcctctggc gttcgcatct ggtcaccgac gacttcctct 240

cggtgcagta gttccctctg actccactaa gacgatcacc agtacgatta ctgctaactg 300

cgttgattcg ggagtcaaag ctgttgaagt cgagcctatg atcgattacn nnnnnnnnnn 360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnaa atgacgacgg 420

aggggaagac gataaggagg agagtgacgg gaagaagaac acgcctcctg tcaag 475

<210> 18084
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E1-C5

<400> 18084

aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtgccgaaa agagagagag 60

aaaacaaaac aaaaaatggc tacccgaaaa gctctgatca acgttcaccg gatcattcgc 120

tccaccgccg tggttggccg gagctctatc attcctgccg ccgctaaccg gtcatatcct 180

attatattcc ggaatggagt tgatttgggg gcgagattct tctgtgagaa cactgcgtct 240

gcccagaatt tcgatattga tctctctaac gaagagaata agagaagaac gatcaacaga 300

ttgttgtata ngagcaagca aagagggttt ttggaacttg atcttgtttt ggggaattgg 360

gttgaggaga atgttaattc catggacgaa aatggtgtta atccctaaat cagtccncaa 420

tt 422

<210> 18085
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E1-C7

<400> 18085

cgtccgtncg gctgcnanaa gacgacagaa ggggaangaa agaaaacgag agaggtacgt 60

agaagaaaat ggctgcctta tcagagaaag aggctgaagc ttatctcgac gcaaggccta 120

gatatccgat cgattggttt aagaaaattg ccgcacggac acaggaccac aaatttgctt 180

gggatgttgg aactggtaat ggtcangctg ctattgggct tgtggagcat tacgagaatg 240

tagtggctac cgatataaac gaancacaac ttcaacgagc aatcaaacac tcaagaatca 300

gttaccatca cactccaaca acgatatcag aagatganat ggtggntcna ctcgggggaa 360

gaaaactccc ttggatctca taatttgctg gctcaagctg tccaatttct tccaacctca 420

acgt 424

<210> 18086
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E1-D4

<400> 18086

actgttatct tgccgcccgg tccgaaatac ccgggtcgac ccacgcgtcc gcccacncgt 60

ccgtacggct gcgagaagac gacagaatgg tacggctgcg agaanactac acaagggtac 120

ggctgcgaga anacgacaga agggtacggc tgcgagaaga cgacagaagg gtacggctgc 180

gataagacga cagaagggta cggctgcgac aacacgacag aanggtacgg ctgcnataag 240

acnacanaan ggtacggctg cgagaatacg acagaagggt acngctgcga naagacgaca 300

gaagggtact gctgcgagaa nacgacagaa cnggtacggc tgcgagaaga cnacagaatg 360

gtacggctgc tagaagacta cagaacggta ctgctgcgat aaaacnacag atgggcaaga 420

taattaagac caccaattgg atcccntaaa aaaaacggcc ctcnaaaagg ttcaacctac 480

nttaccttca tgcgact 497

<210> 18087
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E1-D5

<400> 18087

aagacgacag aaggggaaca tcaaaaacta acacagaaag aaaaaaaaca gttcctgttc 60

tattanattg ttttctaaat tgtctgaaaa tcatggaagt aacttccnaa tctaccctcc 120

ctccagggtt cagatttcat cctaccgacg aggaactcat cgtttactat cttcgaaacc 180

agaccatgtc taaaccatgc cctgtctcca tcatcccaga agttgatatc tacaagttcg 240

acccatggca attacccgag aaaacagagt ttggagaaaa tgagtggtat ttcttcagcc 300

ctanagaang aanatatcca aacggagtca gaccaaaccg ggcagctgtt tccggttact 360

gggaaagcaa cccggtacaa gacattccaa tcacagcggt tcaagttacn tttggtgtta 420

a 421

<210> 18088
<211> 373
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E1-D7

<400> 18088

ggctgcgaga agacgacaga agggtacggc tgcganaana cgacagaagg gtacggctgc 60

gagaagacga cagaagggta cggctgcgag aagacgacag aanggtacgg ctgcgagaag 120

acgacanaan ggtacggctg cgagaagacg acanaacggt acggctgcga naanacnaca 180

gaagggtacg gctgcgagaa gacgacagaa nggtacggct gcgaaagacg acagaagggt 240

acggctgcga gaagacgaca gaangatacg gctgcgagaa gacgacanaa gggtacngct 300

gcnagaagac gacagaangg taccgctgcn anaagacgac agaagggtac ggctgctana 360

agacgacaga agg 373

<210> 18089
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E1-E8

<400> 18089

ctgcgagaag acgacagaag ggtacggctg cgagaagacg acagaagggg agcggcggtg 60

agattagaga agaagggttt gtgaaatgga gtccagtgag gatgtggaga atctgagtag 120

agctattgag aagcttcttc atgagaagag gaagagagaa gcttctggtg acgccttcat 180

tgaagacgct gatgatcagc ttttcctctc tagccttatc tctcagttgn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnttcttca ccatccaaag gaaaaagcga gggccagaga caatttggaa gaaatataga 360

agaaatagct aaagacatca agaagg 386

<210> 18090
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E1-F3

<400> 18090

ggctgcgaga agacgacaga agggtacggc tgcgagaaga cgacagaagg gtacggctgc 60

gagaagacga cagaagggta cggctgcgag aagacgacag aagggtacgg ctgcgagaag 120

acgacagaag ggggaagctt agagaatcat ttgttcagaa gaggttctta ttttcaacct 180

ttatcttgga ctctccggtt gaaagttgct cttggtgcag cgaaaggtct tgcgtttctt 240

cataacgccg agactagtgt catataccgc gatttcaaaa cgtcgaatat actgcttgat 300

tcggagtaca atgctaagct tccgaattcc ggctaactta aagacgtcca accggtgata 360

aaaancattc ccacccggtt nagggtactt acgggatacc cactcccgaa tatc 414

<210> 18091
<211> 331
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E1-G4

<400> 18091

gcggacgcgt gggtacggct gcgagaagac gacagaaggg tgnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngcggcc gcnctanagg atncaagctt 120

acgtacgcgt gcatgcgacg tcatagctct tctanagtgt cacctaaatt caattcactg 180

gccgtcgttt tanaacgtcg tgactgggaa aaccctggng ttacccaact taatcncctt 240

gcagnaaatc ccccttтcgc cagctggcgt aatagcgaan aggcccgcac cgatngccct 300

tcccaacagt tgcgcancct gaatggcgaa t 331

<210> 18092
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-036-Q1-E1-G5

<400> 18092

gcgtccgtac ggctgcgaga agacgacaga agggggagtt caaaagaaag taagttgaag 60

tcaatgcaag aagctcttga ccaaagtaga accgagatga aggctaagtt ttctgctgct 120

tccatgaaga ggcaggattc gatatcaagt acccgccaac gtgcagagaa gttcagatct 180

tttaactctc ggacaagttc gaaaaagtat cagcatccta taagctcatt acagagtgaa 240

gaggaaaacg aaaaagatag gctagtcagt ggacaatcca ttggaaaagg tgcttctaag 300

agctcccaag ttagaaaggt tccatcccca aacgggagct cacgagtctc aaaaccgtca 360

ggtaaagttc aaacacaaac actaatactt ctgggaanaa gacgaanaac atccagngat 420

taaaactggg ttacacaatc cttcccntcc caaaatt 457

<210> 18093
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-033-Q1-E1-C10

<400> 18093

tgtctgcccg gntctaccgg aacggacatc ccggntcgac ccacgcgtcc gtacagctgc 60

gagaagacga cagaaggggg aagcaaatta gcactgaccg atcgatccat ggaagaggtg 120

aagaaggatg tatactcggt ttgggcatta ccagatgagg aatcggagcc ccgattcaaa 180

aagctaatgg aagctttgag atccgaattc actggcccaa gattcgttcc tcacgtcacc 240

gtcgccgtat ctgcttatct gacggcagac gaagccaaga agatgttcga atcagcttgc 300

gacggtctta aagcttacac cgccaccgtt gatcgcgtct ccaccggaac tttcttcttt 360

caatgcgttt tcttgcttct ccaaaccacc cctgaggtaa tggaagctgg tgaacactgt 420

aagaaccatt tcaattgttc cactaccaca ccttacatgc cgcanttgag cctgctttac 480

gctgagtt 488

<210> 18094
<211> 503

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-033-Q1-E1-C2

<400> 18094

gtctgcctgg ncctaccggc ccgganatcc cgnagtcgac ccacgcgtcc gtacggctgc 60

gagaagacga cagaagggta cggctgcgag aagacgacag aaggggagac caacaaataa 120

acattaaacc caaatgatat attttggtag atcaatcgac aatcattata caacaatgat 180

gacaaaaaca ttggagattg atttgagatc agcagaaggg cttaagctaa accggagacc 240

catcaagaaa aagactttcg ccgtcgtaaa aatcgacgag aaatgtcgaa aatctaatct 300

tgacgaatcg agaagaagca atcctacatg gaactataaa tcagagatgc ccatcaatgg 360

taatgaacag tttatcttca ttgaggtatt ttatcgaaca ggttctgggc atgataaaaa 420

aatcggagaa gctaaaatcc caacgaatga tttcatggga aggtattcac ctgaaggnca 480

cttaaacttc ttgagctata aat 503

<210> 18095
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-033-Q1-E1-C1

<400> 18095

aactggtttg cctgtnctac cgccccggaa atcccgantc gacccacgcg tccgtagctg 60

cgaagaagac gacagaattt ttgaagcttc tctctgctta tcgacacgat ggttctcgag 120

gcgactatga tatgtattga caactccgag tggatgcgaa acggagatta ctctccgtct 180

aggttacagg cgcaaacgga agctgttaat cttctttgcg gagccaaaac ccagtcgaat 240

ccggagaata cggtggggat tttgacaatg gctggcaaag gagttagagt attgactact 300

cctacctctg atcttggcaa aattctggcc tgtatgcacg gtcttgatgt gggaggagag 360

agcaagacaa gaagctgctg ccaagaaggc ggccgatgag gcaggtcaga aagacaaaga 420

tggggacaca gcttccgcct cacaagagac aagttgctan gacaactgac aagaatgctg 480

aaccaatggg atgaggacag tgc 503

<210> 18096
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-033-Q1-E1-C3

<400> 18096

cctggnccta ccggcccgga aatcccgnag tcgacccacg cgtccgtacg gctgcgagaa 60

gacgacagaa ggggaagaca aaaaagggta atttgaaaat tttcagatag aaacagtccc 120

gtcaccggcg acgatgaaat ggttgctcgt cgccgtattg acctctctta cgatcttctc 180

cgccttaaca cagtcccatc tcctccatgg atctccggtc aattctctct gcgctgatct 240

cattcatccc gctaattact cctgcactga acacagtatt caaacaaagg atggttacat 300

attagctctt caacgtgtag cttctcttgg tccaagactt caatctggtc cacctgtttt 360

gcttcagcac ggtctcttta tggctggaga tgtgtggttc ttgaattcac caaaagagtc 420

actangtttc attcttgctg atcatgggtt tgatgtttgg gttggaaatg ttcgtggtac 480

acgttacagt t 491

<210> 18097
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-033-Q1-E1-C4

<400> 18097

cctaccgccc cggaaatccc gangtcgacc cacgcgtccg tacgagctgc gggaagacga 60

cagaagggga ttcaccggtt gttatatcgt cgattcatcg tcgtcgacgg cgagtacttg 120

tgacctccac acccagatta atcttctata actgatttta tcgcttagac gatcacgatc 180

tcatcgatta actgacaaat gaagcatgta gtaaagatct tgagcctgtt ggtggctatc 240

tctgccttct ggattggtct tttgcaggct gcaattattc ctcgaagcca tacatggttg 300

ctaccgatct actttgttgt atccctcgga tgctatggcc tattaatggt tggagtcggg 360

ctcatgcagt ttcctacttg cccccaagaa gcagttctgc tgcagaagga tattgcagag 420

gctaaagggc ttcttcaagc acaaangggt anatgtttgg atncaantga cacaaaggcn 480

tttatcagac cat 493

<210> 18098
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-033-Q1-E1-C5

<400> 18098

aagacgacag aagggggtac gtcttttgca taagaagaaa cagagagcat tatcaattat 60

taacaattnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnngctt tggccacgac ggcaccgtta gctccggtca ccagtcaacg aaaagtacgg 180

aacgatttgg aggaaacatt accaaaacca tacatggcaa gagcattagc agctccagat 240

acagagcatc cgaatggaac agaaggtcac gatagcaaag gaatgagtgt tatgcaacaa 300

catgttgctt tcttcgacca aaacgacgat ggaatcgtct atccttggga gacttataag 360

ggatttcgtg accttggttt caacccaatt tcctctatct tttggacctt actcataaaa 420

<210> 18099
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-033-Q1-E1-C6

<400> 18099

cccctggacc taccaatccg gaattcgcng gtcgacccac gcgtccgtac ggctgcgaag 60

aagacgacag aaggggggccg agatgagtta tcttctgaag acgttaacga cgaaggaaga 120

gattgatcgg gttatcagag acaccattga tgaagttctt gttttacgat ttggtcgttc 180

ctccgacgcc gtttgtcttc agcatgatga aatccttgcg aaatcggtga gagatgtttc 240

gaaatttgct aaggtagctt tggttgatgt tgattcagag gatgttcaag tgtatgtgaa 300

gtattttgat atcacgttgt ttccttcgac gatcttcttc ttcaatgcgc atcatatgaa 360

attggattct ggaactgcgg atcatactaa atgggttggt gcatttcata nanaacaaga 420

ctttantgat gttgttgagg ctatatatcg aggagcantg anagggaant gattgttcaa 480

tgtccaagac c 491

<210> 18100
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-033-Q1-E1-C7

<400> 18100

gaaggggaga gaaagagaga gaaacaatgg aaacggaagg aagaagacga gaagtggttg 60

tttcatctct ccaattcgct tgcttcgacg atatctccac caatgtcgcc gccgctgagc 120

gattagtcag agaagctcac gctaaaggag ctaatatcat tcttattcag gaacttttg 180

aaggatatta cttctgtcaa gcacaaagag aagacttctt taagcgagcc aagccttaca 240

agaaccatcc taccattgca aggatgcaga agctggcaaa ggaattgggt gtagtgatac 300

ctgttagttt ctttgaggag gcaaatactg cacattacaa ttcgattgct ataattgatg 360

ctgatggaac tgacttggga atttatagga agtctcatat tcctgatgga ct 412

<210> 18101
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-033-Q1-E1-D11

<400> 18101

agaaggggga acatccggcg gatgcggctg tacgatccca accaggagac tctcaacgct 60

ctccgcggct ccaatatcga gctcgtgctc gatgttccaa accctgatct ccagcgtctc 120

gcctccagcc aagcggaagc cgacacatgg gtccgcaaca acgtccgcaa ctatgcaaac 180

gtcacatttc gctacatctc tgtcgggaac gaggtacagc cctcagacca agctgcgagc 240

tttgtcctcc ccgcgatgca gaacatagag agagcagttt caagcctcgg gatcaaggtc 300

tcgacggcta tagacaccag aggcatttcc gggtttccgc cgtcaagtgg gacgttcaca 360

ccggagttta ggagctttat cgcaccggtg ataagtttct tgtcaaagca aagcaatctc 420

ctc 423

<210> 18102
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-033-Q1-E1-D6

<400> 18102

cgtgggcggc tgcgagaaga cgacagaagg ggatcaaagg ggtttttagg gtttcgtcac 60

tcgccgataa tcctctctct ctagaaaaca tgactgccga acagaaagtg gagctcgccg 120

ccaaattgnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnccggtg 240

gccggtcaaa gcaaagcaga agtgagaaaa agagtcgtaa agctatgttg aagcttggga 300

tgaaaccaat cactggtgtt agccgtgtca ccgtcaaaaa gagcaagaat atcttgtttg 360

tgatatcaaa acctgatgtg ttcaagagtc cagcttcaga tacatatgtg atctttggt 419

<210> 18103
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-033-Q1-E1-E11

<400> 18103

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cgcgtccgcc cacgcgtccg cccacgcgtc cgtacggctg cgagaagacg acagaagggt 120

acggctgcga gaagacgaca gaagggtacg gctgcgagaa gacgacagaa gggtacggct 180

gcgagaagac gacagaaggg tacggctgcg agaagacgac agaagggtac ggctgcgaga 240

gacgacagaa ggatacggct gcgagaagac gacagaagga tacggctgcg agaagacgac 300

agaagggtac ggctgcgaga agacgacaga anggtacggc tgcgagaaga cgacagaagg 360

gtacggctgc caagaagacg acagaagggc tcaaaaaaaa aanntnnnna nnaaaaaaaa 420

gcgg 424

<210> 18104
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-033-Q1-E1-E3

<400> 18104

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agaagacgac agaaggggat ctcactttgt tcatctaaaa actcctcctt tcatttccaa 120

acaaaaactt ctttttattc tcacatctta aagatctctc tcatggcgat gtctttctca 180

ggagctgttc tcactggtat ggcttcttct ttccacagcg gagccaagca gagcagcttc 240

ggcgctgtca gagtcggcca gaaaactcag ttcgtcgtcg tttctcaacg caagaagtcg 300

ttgatctacg ccgctaaagg tgacggcaac atcctcgatg acctcaacga ggccacaaag 360

aaagcttcag atttcgtgac ggataaaaca aaagaggcat tagcagatgg tgagaaagcg 420

aaagactacg ttgttgaaaa aaacagtgaa accgcagata cattgggtna angaaaagaa 480

ncgcaaacaa ggcggcagaa t 501

<210> 18105
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-033-Q1-E1-E5

<400> 18105

ttggagccat ggaatgcagg aaactatgtt caattatcca acatatactc tgttggtggc 60

agatgggacg aagctgctga agtaagggac atgatgaaca agaaaggtat gaagaagatc 120

ccgggatata gttggatcga gttggaaggg aaggtccatg agtttctagc agatgataaa 180

tcttatcctc taagcgacaa gatatatgca aagctagaag atttgggtaa tgaaatgagg 240

cttatgggtt ttgttccaac gacagaattt gttttcttcg atgttgaaga ggaagaaaaa 300

gaaagggtct tggggtatca cagcgagaan cttgcggttg cgttagggct gatcanttac 360

ggatcatggg ccaagtgatt ccggtggtga aagaatctaa anggtatgtg 410

<210> 18106
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-033-Q1-E1-E7

<400> 18106

aactgtcccc ctggccctac cantccggan ttcccnggtc gacccacgcg tccgtacagc 60

tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggta cggctgcgag 120

aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 180

acggaagggt acggctgcga gaagacgaca gaaggatacg gctgcgagaa gacgacagaa 240

gggtacggcg gcgagaagac gacagaagga tacggctgcg agaagacgac agaaggatac 300

ggctgcgaga agacgacaga agggtacggc tgcgagaaga cgacagaagg atacggctgc 360

gagaagacga cagaagggta cggctgcgag aagacgacag aagggtacgg ctgcgagaag 420

acgacagaag gg 432

<210> 18107
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-032-Q1-E1-G3

<400> 18107

ngttagctgc cgtaccggtc naaaattcan gggtccaccn acncntccgt acggctgcaa 60

gaagacnaca gaagggatgg ggaaaggaga tgggtgtgaa atatggttgc ccggtanagg 120

atgtaataac tggtttgacn attcagtgtc ncggatggaa atcagcctac ctgaacccgg 180

aaaagcaagc atttctcggg gtagcgccna ccaatttgca tcaaatgcta gtgcaccaga 240

ggagatggtc agagggagac tttcagatta tgctttcgaa gtatagtccg gtttggtatg 300

gaaaaggaaa gatcagttta ggactgatac ttggttactg ttgctaatgt ctttgggctc 360

atcttcacta acctgtgctc aattactccg ttttgacttc nctctgtctc ctcaaaaggc 420

attcctccgt tccaaaaggc cccaactcct ggntaatccc nttggataac tcactggttg 480

<210> 18108
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-032-Q1-E1-G7

<400> 18108

ctgtnccgcc tgcctgtaaa ggtccnaaat tcccgggtcc acccacncgt ccgtacggct 60

gcgagaagac agaagggtac ggctgcgaga aacgacagaa gggtacggct gcgagaagac 120

gacagaaggg tacggctgcn agaagacgac agaagggtac ggctgcgaga agacgacaga 180

agggacggac gattcgccat gttgggtgca gctggagcta ttgctcctga gattttagga 240

aaggctggtc tgattccagc agagactgct cttccttggt tccaaaccgg tgtgattcca 300

ccagcaggga catacactta ctgggcagac aattacacac tctttgttct cnagatggct 360

ctgatgggat tcgctganca ccggnaggtt acaagactgn tacaacccaa tgattctatg 420

ggaaaaacag ttccttcttg ggggttaaaa naangggttt ggccggttca aggttaaccc 480

gggcnttaac c 491

<210> 18109
<211> 539
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-032-Q1-E1-G10

<400> 18109

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ccacgcgtcc gtacggctgc gagaagacga cagaaggggg aaaaacagag agagggaaca 120

acaaccaanc actcatttct ccacatcttg agagaaaaaa acagagcaag tatattagag 180

atctcatggc gatggcggtc tccggagctg tcctcagtgg gcttggttct tcgttcctcc 240

accggaggca tgagaggtgc caccgcattg gcaagcggcg taaggactgg nagctcagan 300

agttngcagg aanactcnta ttgtcgctgc tgcggctgct cagcctaann aaatcttggg 360

attcctgccn gttaaaaggt ggtgggcaac ttcctttgac cctgaaatgg ctccaatggc 420

tccgctaanc aaggaagaat ttccgggttt cgaacccaat ttgggttttt gggggaaaag 480

aaccccngct tttttctgga aaatgggtaa caagacgaag gcttgangcc ttgaattca 539

<210> 18110
<211> 521
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-032-Q1-E1-H5

<400> 18110

gaactgttcg cctgcctgta aaggtccnaa attcccgggt ccacccacgc ntccgcccac 60

gcgtccgtac ggctgcgaga agacgacaga agggcaagac gaagtgagga gtgtgatagg 120

tgacaaagga tatgtctctg aagaagacat acctaatctc ccttacctaa aggcagtcat 180

caaggagtct cttcggctcg aaccagtcat ccccattctt ctacacagag aaactatcgc 240

agacgcaaag atangtggct atgatattcc ggccaagacc atcattcacg tgaacgcatg 300

ggcggtttct cgtgacacag ccgcgtgggg agacaancct aaatgaattc attccaagag 360

aaggttcant nnaccnaanc cacanaagga gttggacctt taaaggggcc caancntttt 420

gnngcctcct tannctttc cgnggttcnn gggccnggac naattgtncc cccgggccaa 480

tgcaatnctn tggggaattt gcaaattggt ntgaagatta c 521

<210> 18111
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-032-Q1-E1-H6

<400> 18111

gttgagagaa aaacgttgaa cgatgggagc cggtaatgga gaaacgccaa aacctacaca 60

gatttcaatt tctaaagatc aattcctcgc ttggaaacgc caaaaggatg ctgagttatt 120

agccaaacaa gctgaagcag caaggaaacg acaagaggac atagcttcag gtcgtgttcc 180

aatgaatggt cgtgagcttt tcttgcatga gccttgggtt ttcgacgata cccatcattg 240

attctggtct attcactact tcctcatagg tgatttaaga catttcctcg atgatttgtg 300

atccaactct gtttctcttt tgttgttgta ctctcatgtt cccacttttg tctcaagtgt 360

taaatcagaa atttagtcct cagtaattgt gacttaatcc ttg 403

<210> 18112
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-032-Q1-E1-H7

<400> 18112

gtccaagagt agtggtgaag gtggatttga agaagaagcc atggcagcag gaccagccat 60

tgcacaatag atggcatccg gagataccac cagcagcaga ggtcaaggct ggtgagtttt 120

tccgggtaga aatgattgat gcaatgggag gcgttatcaa agacaatgac tctgcaagcg 180

atatcaagaa cctagtccta actactggtt gtagatgagg aaggtattgc agctaaagca 240

ggtgattctc cttgcctgtt gacaatatgc aacnttgggg tccctcttcc aaggaagatg 300

aaatggggga attcactggg ttccgttttg atanaagaga atgggttggc cggnttcctt 360

gaactgacca atttcccntt gtgccnacca aannctattt ggtactttga agggatc 417

<210> 18113
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-032-Q1-E1-H9

<400> 18113

ggctgcnaga agacgacaga agggggtgtc tccgttatta ggtatttgtg agaatcttct 60

tgattgactt tatacttcag cgagattgtt tatctctaag ctccaggnga agctaatttt 120

gaattgcttc tgggttttta gtacgtagct ctctataaga tatataacan atggttcgct 180

ccaangctcc tgcaaagaag cagcagncag aaaggaattg atttcaagaa aattaagaga 240

aagctcggga gaaaattacc accaccaaag aatgcaacca acactgagat taaatccaaa 300

gcaattatac ttcctgagca nagtgtggct gctgaaaaga gtggcttagc tacaagtaan 360

aaagacattc ctgggatgac cactggggtg ttttgggttg g 401

<210> 18114

<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-033-Q1-E1-A10

<400> 18114

tgtttgnccg gccctaccgg anacgganat tcccggctcg acccacgcgt cngtacagct 60

gcgagaagac gacagaaggg gggaatccag aggttttgtt tctgaatgga aacaagtttt 120

tgggagtttt gattgtgcct ccaacaagtt tcttggcatc caacaggaag gggatgcaaa 180

gaagtatgtg ggtgttccgg gcatgaactc tatatctaag gccttgtgta atgagtctgg 240

tgttaagagt atgtttggaa ctggtattgc caagatggaa tggttggaag aagagatacc 300

atggttgttg acagattcaa aaggagaaaa tttgggtcgt ttcgatggag tggttgcatc 360

aagataaaaa cattgtttct ccaaggttta ctcaagtaac tggactccca ccgcctctgg 420

acttaagtct agtcccggag ttggcgacta agctgcaaaa cattccctgt tctaccatgc 480

ttctctcnta agc 493

<210> 18115
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-033-Q1-E1-A11

<400> 18115

atacgagaag agnnaggcga naacctcgcc aatccgatta cgcgaaaaat caanggtttt 60

tggatatggc gtctaagcgg atcttggggg aattgangga tctccanaag gatccaccta 120

catcatgtac cgcaggtcct gttgctgaag acatgtttca ctggcaggca acgataatgg 180

gtccttcaga gagtccttat gctggaggtg ttttccttgt aaccatccat ttccctccgg 240

attacccatt caagcctcct aangtggcct ttatgaccaa cggtgttcca tcccaacatt 300

aacaagnaac gggtagcatt tgcctcgaca tcttgaanga gcantggagt cctgcctcan 360

catttccaan gtgctgctat ccgatctgtt cttttgnta 399

<210> 18116

<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-033-Q1-E1-A12

<400> 18116

tgtttggccg ggcctaccgn nacgganatt cccgggtcga cccacgcgtc agaagacgac 60

agaagggtac gactgcgaga agacgacaga agggtacggc tgcgnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnntg ccttcggagt taacaccaga agaacgatcg gaactaaaaa 240

actcaatcgc cgagttccac acataccaac tcgatccagg aagctgttca tcactccacg 300

cgcaacgaat ccacgcgcct ccggaactcg tctggtcaat cgtacgacga ttcgacaaac 360

cacaaacata caaacacttc atcaaatcct gctccgtcga acaaaacttc gagatgcgcg 420

tcggatgcac gcgcgacgtg atcgtcatca gtggattacc ggcgaacaca tcaacgggaa 480

aaggctcgat atactcc 497

<210> 18117
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-033-Q1-E1-A3

<400> 18117

ctgcgagaag acgacagaag ggtacggctg cgagaagacg acanaagggt acggctgcga 60

gaagacgaca gaagggtacg gctgcganaa gacgacagaa gggtacggct gcgagaagac 120

gacagaaggg tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga 180

agggcacggc tgcgagaaga cgacagaang gtacggctgc gagaagacga cagaanggta 240

cngctgcgan aaagacgaca gaagggtacn gctgcnanaa gacgacagaa gggtacggct 300

gcgagaagac gacagaacgg tacggctgcc cagaacacga canaaagggg gacccatttc 360

ttggcntaca acaacaaatc ttaaaccttt tact 394

<210> 18118

<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-033-Q1-E1-A5

<400> 18118

gccctancaa atccggaaan tcgcnggtcg acccacgcgt ccgtacagct gcgagaagac 60

gacagaaggg ggcagacgca gccatgggta tcgatcttat cgcaggaggt aagagtaaga 120

agaccaaaag gactgctcct aagtccgatg atgtctacct aaagcttctc gtcaagcttt 180

accggttttt ggtgaggaga tctaacagca acttcaatgc tgtgattctg aaaaggcttt 240

tcatgagcaa agtcaacaaa gctcctcttt cactctctag gcttgtanag ttcatgactg 300

gcaaggatga caagattgct gtgttggttg gaactatcac tgatgatttg agagttcatg 360

anattcctgc catgaaggtt actgccttga ggtttactga gagggctagg gctagaattg 420

agaaagctgg tggagagtgc ttaacctttt gaccagcttt gctctcagag ntcccattgg 480

ggacagaa 488

<210> 18119
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-033-Q1-E1-B10

<400> 18119

cgganatccc ggctcgaccc acgcgtcnat acagctgcga gaagacgaca gaaggggtc 60

gtgcgataca gttctgggtt tgctgaagaa gactctggaa aaaagttcat ccatcacaat 120

tgattcgtgt tcttggaacg aatctancga ttcanacaca tgaaacattc ggtgaatcgg 180

cctccgacac cagatgaaga cnatgtggcg gatggtttcn agaaagacaa ngtcacgctt 240

cgagaaatca tcaacgtcaa gttggtggag agtggagaga atgagaatct aatggagctt 300

gtgagagata gattggtgga gtgtggttgg aaagatgaag atgagaattg cttgcaggga 360

gcatgtnaag aagaaangga gaaaanatgt tacagtcgat gaactgatcc gantgatnac 420

tcctanaggn nagacttcag taccaagatt ctgtgaangg cagactgttt g 471

<210> 18120
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-033-Q1-E1-B12

<400> 18120

agagattgga gctagttgga gatgggaata aggttcatat tgatggtgaa caagcaaggc 60

cagactcgtc ttgctcagta ctacgaatgg ctcactctcg aggaacgtcg cgctctcgaa 120

ggcgaaatcg tccgtaaatg cctcgctcac aacgaccaac agtgttcgtt tgtcgagcat 180

cgcaactaca agatagtcta caggcgttac gcatctctct tcttcatggt tggggttgat 240

gacgatgaaa acgagctggc gattctagag ttcatacatc ttttggtcga gacaatggac 300

aagcattttg gaaatgtgtg tgagctanac ataatgttcc atctggagaa antcanttca 360

tgctggaaga aatgggtgat gaatggttgc attgtggaga caagcaaa 408

<210> 18121
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-033-Q1-E1-B8

<400> 18121

agagtgtttc tcccaatcga tcccggtgtt gttcttctcg acattgcttt cgtccccgac 60

gaacctagcc gagggttttt acttggaacg agacagactt tgttagagac taaagatggt 120

ggaagcactt ggaatccacg ttcgattcct tcagctgaag aagaagattt caattataga 180

ttcaattcga ttagctttaa aggcaaagaa ggatggatta ttggcaaacc tgcgatttta 240

ttgtacactg ctgatgctgg agagaattgg gataggattc ctctaagttc tcagcttcct 300

ggagatatgg tgtttataaa agcgacagaa gataagagtg cagagatggt tactgatgaa 360

ggtgctattt atgttacttc aaacagggga tataactggg aaantgctat tcaa 414

<210> 18122
<211> 411
<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB35-032-Q1-E1-D1

<400> 18122

gatttagaaa aaaaggaagc tccaagagat ggcaagagtt gttaaaatcg attctgcaga 60

gtcatggaat ttctatgtga gtcaagccaa gaatcagaat tgtcccattg tggctcattt 120

cactgcatta tggtgtattc cttctgtgtt tatgaactcc ttcttcgaag agcttgcgtt 180

taactataag gatgctctgt ttctaatagt tgatgttgat gaagttaagg aagtggcaag 240

tcaactagag gtaaaggcga tgccaacttt cttgttcttg aaggatggta atgcgatgga 300

caaactcgtg ggcgcaaacc ctgatgagat taagaaacgg gtcgatggtt tcgttcaatc 360

ctcacgtgtt gttcatattg cttaagagag atttatagat acgagcagat a 411

<210> 18123
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-032-Q1-E1-D10

<400> 18123

ttgtttgccc tgcccgtacc gaaaccgaaa attcnccggt ccacccacgc gtccgtacgg 60

ctgcganaag acgacagaag ggtacggctg cgagaagacg tcagaagggt acggctgcga 120

gaagacgaca gaagggcacg gctgcgagaa gacgacagaa gggtacggct gcganaagac 180

gacagaangg tacngctgcn agaagacgac agaagggtac ggctgctaga agacgacaga 240

agggtacggc tgcgagaaga cnacanaagg gtacggctgc nagaagacga cagaagggta 300

cngctgcgag aagacnacag aagggtacng ctgcgagaag acgacagaag ggtacggctg 360

cgagaagact acagaatggg tacggctgcg agaanactac anaacggtac ggctgcgaca 420

agacnacaga anggtacngc tgcnagaata ccacataaag gtanngctgc cagaaaactn 480

cccaaaggga aa 492

<210> 18124
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-032-Q1-E1-C9

<400> 18124

agaaggggg ccgactctta ctgacctcag agctcagcaa aaatggttca acgtcttgtt 60

taccgatcac gtcactctta cgccaccaag tccaaccaac accgcatcgt caaaactcct 120

ggtggaaaat tgacttacca gacgacgaac aagagagcta gtggacctaa gtgccctgtt 180

actggcaaga gaatccaagg gattccgcat ttgagacctg ctgagtacaa aaggtcaagg 240

ttggcaagga acgagaggac agtgaatcgt gcatatggtg gtgttctatc tggagttgct 300

gttagggaga ngatcgtcag ggccttcttg gttgaaagaa caagaagatt gtgaagaaag 360

gtttgaaagc ttcagaangn gaaaagagaa gactgcacca aaagagtttg aagaaaac 418

<210> 18125
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-032-Q1-E1-D3

<400> 18125

gaacattgga ccggtggttc catcgaagtt cttggataac cggttgccag aagacaaaga 60

ttacgaactc gagaactcca agacagagcc agacgagtct gttttgaagt ggttgggaaa 120

caggccggcg aagtcggtgg tttacgtggc gtttgggaca ttggtggctt tgagcgaaaa 180

acagatgaag gaaattgcaa tggcgattag ccaaaccgga tatcacttct tgtggtctgt 240

tagagaatcc gagagaagca aactaccctc tggttttatc gaanaggcag aggagaaaga 300

ctctggactt gtggctaagt gggttcctca actagaggtt ttagcacatg aatcaatcng 360

gtgtttccct cacactgtgg atgggaactc cacattggag gcact 405

<210> 18126
<211> 365
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-032-Q1-E1-D4

<400> 18126

aagagatcga gagaagaata ntttgatcat cntgtgagaa aaataatggc tgcttcagtg 60

atgctatctt cngtgacatt gaaaccagct ggtttcacng tggagaagac ggcggctaaa 120

ngattaccgt cnctcanaaa anctccgtcc ctccttcaaa attgtcncca atggcgtcaa 180

gaaaatnaag accgacaagc ccntccgnan taacggcanc atggacttga gggacggcgt 240

cnacgcctcc ngcagaaagg caanggatac gtgttacaat actcacaata tgagctactc 300

atgatacatc tattacacag acatggcacc aatgtgctnt caaggaagat cccgatggaa 360

tggcg 365

<210> 18127
<211> 389
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-032-Q1-E1-D8

<400> 18127

ttgaagcttc tctctgctta tcgacacgat ggttctcgag gcgactatga tatgtatcga 60

caactccgag tggatgcgaa acggagatta ctctccgtct aggttacagg cgcaaacgga 120

agctgttaat cttctttgcg gagccaaaac ccagtcgaat ccggagaata cggtggggat 180

tttgacaatg gctgggcaaa ggagttagag tattgactac tcctacctct gatcttgggc 240

aaaattctgg cctgtatgca cggccttgat gtgggaagga gagatnaact taaccgcagc 300

tatccagatn gcccaactag ctcttaaagc atcgccaaaa caaagaatca acgccaaaag 360

gattaatggt tttgctggna atccaatca 389

<210> 18128
<211> 382
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-032-Q1-E1-D9

<400> 18128

cttctcttgt tcgaatcgct gtcgtcggag acatccatgg cttctggaac ctanatgaag 60

atcgaaaggc tctacnantt ctccaggtga ttttggtgaa naanacgtcc cactggttca 120

aagtgttgcc gctcttactt tccctaaagc agtcatattg gggaatcatg atgcctggtt 180

cacccaagat tttccaagga angaananca aaaacaaaac ggtgttcaaa tgcaactcga 240

tatccttggt gacgancata tangntatca ncgcatggac ttcccatctt ttaagctcaa 300

gtagtgttgg tggtcnaccc ttttcacatg gtggggatcg aatgtttcgg aaaaatctgc 360

ntgtccaaag gtatgngatt ca 382

<210> 18129
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-032-Q1-E1-E10

<400> 18129

aagacgacag aaggggggaag gctctttgcc tcaaagccat ggaaattctt gttgaagaga 60

gtaatgttca gagagttgat gcccctgtca ctttatgtgg tgacatccat gggcagttct 120

atgatatgat ggagcttttc aaagttgggg gtgattgtcc taagaccaac tatttgttta 180

ngggagattt tgttgatcgt ggatattatt cggttgacac atttctactt cgactcgcac 240

tcaatgtcag atatccaaan cgcatnnctc tcatcagagg aaaccatgaa agcangcaaa 300

tcacacaggt ttatggattt tatgatgant gtttncctaa atatggctcc tcaaatgtct 360

ggaganactg caccgncatt tttgactaca tgantccttc 400

<210> 18130
<211> 388
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-032-Q1-E1-E12

<400> 18130

agaaggggaa ttcagacacc tgactcgtct tctcatccta cccccaattc aatattcgtc 60

gccaatatgc cgcaaagaca ctcgangaac aacaatgatc ttgcgtattt cacttacgac 120

gagaagaaga agttaggtta tggaactcag agagagagtg attggggaga gactcgatca 180

aacccttga tgcttgttct ctctgcttga agcctttcat tgatccgatg tgttgccata 240

agggtcatgt cttttgcaga gagtgtanac ttgaatgttt ccctgctcag aanaaaagat 300

atccaaaagg aggcttgctg cacattcgtc tcaaaagaag caccgataan gatgannaag 360

aagagangct aatgttacaa anaggcga 388

<210> 18131
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-032-Q1-E1-E5

<400> 18131

aaggttgagt tagagctttc taacatatgc attgatatta tgtctgtctt agacgagcat 60

ctcattcctt cggcttccga gggtgaatct actgtcttct tcaacaagat gaaaggtgac 120

tattaccgct atcttgctga gttcaaatca gggaacgaga ggaaagaggc tgctgatcag 180

tctttgaaag cctatgagat tgctactact gctgctgagg ctaagctccc tccancacac 240

cctatcagat tgggtttggc ttcgaatttc tctgtcttct actacgagat catgaacgca 300

cctgaaaggg catgtcactt tgctaagcan gcgttcgaat gaagcctaat ctcnnaagct 360

tgacactcct gaanccangg aatcctacna aggataagca cctttaataa tggcaac 417

<210> 18132
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-032-Q1-E1-E6

<400> 18132

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncggagacg 120

attttgtgat ttcaccatta gtctctatca ccaggggttt ttggacgatc aattcacaga 180

attgaaaaag ctgcaagatg aatgtagtcc tgattttgtg gctgaggttg ttactctctt 240

ctttgaagac tgtgagaagc ttatcagtaa tatggctaga gctttagatc agacnggaaa 300

tgtagatttc aaactgggta ngttcctagt tgttcatcaa ctcananggt agtaccctca 360

agtgttggtg ccaannagag tcaannggtc cttgtgttac cctca 405

<210> 18133
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-032-Q1-E1-E8

<400> 18133

ccatatctca cgcttaatta cagtattgcc actcattaaa accgtaccat cttaaccaaa 60

gcgataaccc gtaccaccgg ttcagctatg gaggatttat tggaggagag gctaactcgg 120

actgactctg tcgggaataa acgagtcana gacgggttaa acctcnactc nccggacgtt 180

taaaccggtt aagaaatgat ttgttcnatg actccggggc ttgacccagt gaagtcaaag 240

attcttgacc cggtgatnaa aaanttccaa gaatgaattt atccacaacc aacnggcngg 300

cgcctaancc tnccgttgaa acncggccgg atttttgggt naccttttcn aaaccttctg 360

atgaacaacc tgggtttgcc aacggccgct taagccaacg gaaaacgcct tcttctnc 418

<210> 18134
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-032-Q1-E1-E9

<400> 18134

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gaagacgaca gaaggggacc gattcgagag tagcaatggg gattctatca tggntcacgg 120

gaagtcctaa gccatcacag tccgagacgt ctaagccgga gatgattcag atgccgaaat 180

caganactcc agccccgggg atgaatggng ccatanaagt tcctcggccc gatcgcgcga 240

cggttttcga gttcggctcc gttgctgcna ctggngacag ngtcactctc gctggttact 300

gtccngtttc cgatgatctc gaaccttgcc gttgggagat tcttcccgcc gacggcaaan 360

acnctccaca agtttcgctt catcttcnga ngaatcantc anataatcng tagaacaatg 420

taaacttgtt cannnctcgt cgcatgaaaa atggtcttgg nctggta 467

<210> 18135
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-032-Q1-E1-F11

<400> 18135

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tcctgtagcg gaaacatctg attactactc cctcctcctc caaacgcgtt atccacggtg 120

gcatcaatgt aattaaaccc aaaatcaagg gtattgttat tgtcattact tacggccgac 180

caatctttcc acttgggccc gctctgaacc tcgctcgtga actccggcga caccacctgc 240

tccgagcaac tcgaatccgt agtatgcaac ttcggcaccg aatccgacgt gtcgaaatac 300

gcgaactcac ttgtctgttg cggcggcgga gnataancat ctccgtcanc ttcggcttct 360

cctctcacat ggntctacct anccaacaaa accg 394

<210> 18136
<211> 381
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-032-Q1-E1-F12

<400> 18136

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cctgaaatga aatatttggn acaanaggat ggtccgttga tgaagacaat caaaggtacg 120

tatcactggt tttggtgctg ggactattta cggnaccatt ttagccacat gggnaagatg 180

ttccaaaaag tgggngagaa atgtggctct tccaaggact tattagaaca ctgaangatg 240

atggggaacc catgggctga cttttgctgc nataggaagt gtttacatcg gtgttgaaca 300

agctggntca gaattttaga ttcaangaga gatttttaca atgggtgcna ttgggggttt 360

ttgtcgctgg gagcctcngt g 381

<210> 18137

<211> 519
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-032-Q1-E1-G1

<400> 18137

ctgtttacgc ctnccggtag gcctccgaaa attccanggt cnacccacgc gtccgcccac 60

gcgtccgtac ggctgcgaag aagacgacag aaggggggttc taggtggatt cttaagaaaa 120

agaaggaaac gaaaacagag gaataacaat ggcagggaga ataagctgct gtctaaatct 180

tcctccccta gattcaaatt ctgcacaatc attagcttca ctgctcaaga caacgtcaaa 240

gatctcttgt aggagaacag aaaatgagac agagccacgg aaaaacaagt gttcttttgt 300

cctgggggtt ggccngcana ctgtcntaaa tcggtcngga ttcaagatta atgatgttgc 360

atcacttgga aactgccggt tgttgaaaat ccccccggtt anaaaanaaa atggcttgcc 420

nggttgtttg ttgccgcccg ccggaaggtt gganttgaca aagaaggacg ttttccgccc 480

ttggcttgan naactcccct agaagaacaa ccgtnaccg 519

<210> 18138
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-030-Q1-E1-D9

<400> 18138

gcntccgtac ggctgcgaga agacgacaga agggatatta gctcagctga atttggagac 60

agggataccg atttacgaag cagagccatt gcttctcttc ttcatcttgt tcactctgtt 120

gggagccatt ggagctctcg gagacagagg aaaattcgtc gacgatcctc ccaccgggct 180

cgagaaagcc gtcattcctc ccggcaaaac gtccgatctg ccctcggtct caaagaacaa 240

ggtccattgt ttgggttcac gaaggcgaac gagttattcg taggaagatt ggcacagttg 300

ggaatagcat tttcactgat aggagagatt attaccggga aaggagcatt agctcaactc 360

aacattgaga ccggtatacc aattcaagat atcgaaccac ttgtcctctt aaacgttgct 420

ttctt 425

<210> 18139
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-030-Q1-E1-E3

<400> 18139

gaaaacgaga gaagaagaac attggaagag attttgtatg cattggtggt tcaaaagttc 60

atggaagcta acgtatcact tgtaccttca gtaagcccat cttcagatcc gtctggtcag 120

gttgatactt ggccgaccaa agtggagaaa ctcgagcggc ttcactcgcc cgagatgtac 180

gagatgattc acaaccatct tgccttgatt cttggaagca gaatgggtga tctgaactct 240

gttgcacaga taagcaagct cangagttgg ccaagtttac gctgcttctg tgatgtatgg 300

atatttcttg aagagggtgg accnaaagtt tcaagcttga gaagaccang aanattcctt 360

ccggggtggg tcggatgaaa gtanaacang cccatgtaga tgcgangtac cactttg 417

<210> 18140
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-030-Q1-E1-F11

<400> 18140

ggctgcgaga agacgacaga aggggacaac aaacacaaaa atcaaaaggg gtcatttact 60

atcttttaag agacgacata tatagttctc gaccaagaaa agaaaagggg gtgacctgag 120

ctcttcaaca cataacataa tggccggagt tttcaaaacg gttacgtttc ttgttttggt 180

tttcgctgcc gttgttgtct tcgcggagga ctacgatgtt ggtgatgata cggaatggac 240

gaagactatg gacccccgag ttctatacta cttgggctac cggtaaaact tcccgttgtt 300

aggcgaacaa gcccnaattt gatttcnctg ctggggaagg aataatttgg caanttgtna 360

tcagaacctg catttgaaac cgtgagaaaa gagaaaccc 399

<210> 18141
<211> 409
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-030-Q1-E1-D7

<400> 18141

ggaagaaccc gtaatggagc gtgtcgttga gtcgggtcgt gagctacgag aaaagatgcg 60

cgagaaactg cacaaggaga attgcatgga tcgagttgcc caggatccgg atcagaattt 120

gggcgaggct cctgatgtcg ggtgggtatc tgacctgctc atgtaaagaa aaaaatctga 180

ccgtatttcg aagtctcatt ggctttttg gatatcttcc aaggaaaaga ggaagggatc 240

ttagtgtgtt catattattt tatttactaa tctcgtattt tatctgctaa taagaattaa 300

ttatggattt tggggcctga tttttctaag atgatcgttg tatagatgtg ccttagggtt 360

ttanntatga natactatta atataatcgt gttttatang actataatg 409

<210> 18142
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-030-Q1-E1-F5

<400> 18142

ttcccgggnc cacccacgcn tccgtacgga gaanacgaca gaangggagg aaananaann 60

aaaccaaagc aaaaaaatgg ctttgaaact cacttctccg ccttcagttt tctcacaatc 120

aaggagatca tctccttctt cgttaattcc gataaggtca aaatccacat tcaccggatt 180

tcgatcgaga accggtgttt atttaagcaa aacgacggcg cttcagtcgt ctanaaaact 240

gagtgtggcn gcggagagtc ctgcggcgac aattgcggcg gatgattggg ggaaagtatc 300

ggcggttctg tttgatatgg acggcgtgct ttgtaacagt gaanatcttt ctanacgcgc 360

cgccgttgga tgtttntacg gagatgggaa ttgaagtcac tgtggacnaa ttccgttcct 420

tttaanggga aacangtgaa gccnaactnt ttagggaagg tgttgcttc 469

<210> 18143
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-030-Q1-E1-F6

<400> 18143

agcacaacaa catttccaag aaatggaaat tctcgaaggg agaactcagt tgatgattct 60

gacccgcccg gggatagata tagagatgct tggcaacatg ggatccaaag gaggcaaaat 120

tttggacggc ctttagggag aagagattaa tttataattc caactggtcc tgaacatcat 180

acactggtgg agatactatg ttacttgaga tctcagagca tccgacctag ctcatggttt 240

cacagggtca ataccacgaa agggtgactc gaantcatga actgttgaaa agaggaatgc 300

ntgaaggctg tgtacgtcaa aggggtaaca tgctcacctg atttgtgctg gcgaaagatg 360

attcatgcct attctttcaa ggaactggcg ctcttctgct ccagatnc 408

<210> 18144
<211> 89
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-030-Q1-E1-F7

<400> 18144

gcaaggcttg ctgatacttc ggatggcgaa atggatggag atccaccata ttcgcatgat 60

catccaatgc cacagggatg agagaaaag 89

<210> 18145
<211> 397
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-030-Q1-E1-G12

<400> 18145

acnacagaag ggtacngctg cnataagacn acanaagggt acggctgcga gaagacnaca 60

taagggtacn gctgcgagaa gacgacanaa gggtacggct gcgagaagac nacagaaggg 120

tacggctgcg agaagacgac anaagggtac ngctgcgaga agacnacaga aggggatcca 180

agaaaaaaat aaacagaatt gcatgatcaa aacactctgt ttcattcctc tgtttttgc 240

tctgttttgc tctcacgcca taacgtgttc tgcttacagt ttcgacttca agttacttcg 300

gaaatggaac tgatctgatg acattccatg gagacgccga ntacgcttca nagcctgatg 360

gtatgancan gtcaggagca attggnttga gccgtta 397

<210> 18146
<211> 382
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-030-Q1-E1-G3

<400> 18146

ccaaaaaaaa cagaagaata agaagacaca actcttgttt taaatttgag tcccatttac 60

ttttgatgct aaataggaga gaaaacgttt ttgactcaca cataacgtag agagacagag 120

agagacaaaa aaaaagagac gggaatattc cggcgaagat tgagactctc aatatccaat 180

ggagaagtat tcccggcggt ctattctcct ttccacggtg gtcgccgccg tgttattctc 240

tttaattccg gtttcaatct ctattccctt catactcttt cacgttaata ttaattatcc 300

aaaaaaaaaa gaaaacagga attggagata aatgttctgg tggagttant aacttcacgc 360

aactcctaaa caanctctcc tg 382

<210> 18147
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-030-Q1-E1-G8

<400> 18147

ggaatgatgg aatcttcagc tttaataaat ctgcagactc tcanaattcc gattcatctt 60

attgaanaac aattttccgg cgaaacagcc gatgaantct cgcctgaatc ttctgtncct 120

ttcaccggtg attgacttca cttcagaatc gagananaag aaatcgatgg naaactaang 180

aatagaacga gtttcanatt ctcgctctct cntcanaacc gcaaatcann ggaacgaaga 240

ggcgagagag agagatgagt aaacggaatc cnaaggattc tgaaagattt ttctgtatat 300

gttacttctc aactctctct ttctnatcat ctacttcgtt tttcactcan cgtcggtttc 360

accggnagca gtcacagnct ccgtcatana gaccacgttt caagtgaana accaatcg 418

<210> 18148
<211> 390
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-030-Q1-E1-H10

<400> 18148

taccgactac tttcagtgtt ctcttcttct ccactaattc agatcacatt caagaatctt 60

cttcactcac atctctgaaa aaatggcgag caacatggaa gttttctgtg agatcttaat 120

cgcgatcctt cttccacctc ttggagtttg tctcaaacgt ggctgttgca ctgtagagtt 180

cttgatttgc ttggtgctga caatcttagg atacatccca gggataattt atgcactata 240

cgtgatcgtg tttcaaaacc gtgaaggctc taccgaactt ggagctccac ttaactcagc 300

ttgatctgtt ttggtccatt acacggatca atatgttgtt gaaactgttt tacttatcat 360

gtaccaaata ataagttgct ttgcaatttt 390

<210> 18149
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-030-Q1-E1-H3

<400> 18149

gttttctact ttgcaattta gataaatctt tctatccact ttgagaataa attaagggct 60

ctcaatttcg aattctgctt ctccaacgaa aaaaacgaaa tctttaatgg cgaagaaagg 120

aggagcgacg ctagctgagg atgcaccatg gcgagtttcg tcaggaagac cagtgcctaa 180

gatcagtcgc tctccggttt tatctatctc tcaaaaccca gaaaccgatt acgccatttc 240

cgtcatgaag catccgaatc ctgtgggagg tgggtttgcg atggaagctg tacttgaatc 300

cgcagganct gaatgcgttg ttcctggcca antaacacct cttcggttac ttggtgttaa 360

ggtgtngcct gttganntga tcntaaattc ttggaaccaa ngggaaaagg agc 413

<210> 18150
<211> 411
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-030-Q1-E1-H6

<400> 18150

accagaaaag cgaggaagaa gtacaagaac gagcacagcg agccgccgca gcagccagga 60

gatggaggga atactcacga agaggcgtgg ataagcgccc caccttcaaa ctcccagact 120

ccgcctccag aggagacaac tgaaaccata ggcagaaatc acttatagtt tatataggta 180

agcaggtttc ttactagatt atatatctat atatgtaaat gtcatgtcgc gttctagacc 240

tgtatagctt tgttctcaca tcgattaagg aagaaaanaa caagtgtatt taacgttttc 300

gatttctgta ttatactatt taaaaaaaaa gtttgcaacg cctagatnaa attaaaatac 360

attagntatg tnaaaaagac agnnnntgcn taaanaaaag cgggccgctc t 411

<210> 18151
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-031-Q1-E1-A1

<400> 18151

ggctgcgaga agacgacaga agggtacggc tgcgagaaga cgacagaagg gtacggctgc 60

gagaagacga cagaagggta cggctgcgag aagacgacag aagggtacgg ctgcgagaag 120

acgacagaag ggggaaacag atctttcgta taatcagtga cgtagagatc naanacgatg 180

atgagctctg catccgccat gaaagctgtt ggatttttgc ttctgcttac cattctaaca 240

ttagcttatg cgaagaaatc angtgatgtg acanattgca gattggtgtt aagtacaagc 300

ctcagaaatg tgatctccaa gctcacaaag gggataagat naaaggtcac tatcgggggga 360

antttactga tggaactgtc tttgattcaa ntttgagaaa agtgaccnaa ttg 413

<210> 18152
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-031-Q1-E1-A10

<400> 18152

ggctgcgaga agacgacaga agggtacggc tgcgagaaga cgacagaagg gtacggctgc 60

ggggctgcga gaagacgaca gaagggtacg gctgcgagaa gacgacagaa gggcactcac 120

caaactgatc ctcgaagact tcttgatctt gaagggccct tgcccaaact gtggaacaga 180

gaatgtatct ttctttggaa cgatactatc catccccnaa tgatagtaac accaacaatg 240

tcaaatgctc aggctgtgga acggagatgg tctatgactc aagttctcgt ttgatcacat 300

taccanaagg agggaaagct taaatctaag agccaanggt tatgtnnaag tgtatgttaa 360

attaatacta acaaatgaag aaagtggnga aatcca 396

<210> 18153
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-031-Q1-E1-A8

<400> 18153

aagacgacag aaggggggga agttgaaaat atgaaaattg taaatggcac tgtaatgttg 60

tgtgggaatc tgaatgcana tgaagctacg cangcgacac ctgagcctaa taatgcanan 120

ccgtatccag actatancct ggtggtcaca nagagggaaa caatcatgga ggttgatgag 180

ccggatccag atgatcaana aatccagagg atccaagact ctgttaccat catctctaac 240

cgtctcaaga aagccataaa ggccttgaga aatgaaatca accccggtca agcaaccact 300

gtgttacaaa tgcttctcaa aatagtcagg aacatcattg aacanncaaa tganatgana 360

ttcaaaaggc tgcttaggga aatctgcann taagcgcaac antctcaact ttccagcc 418

<210> 18154
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-031-Q1-E1-B12

<400> 18154

gcgtccgtac ggctgcgaga agacgacaga aggggactga aagaaaaaaa tgaacaaact 60

ctccaacgct ttctctgtcc tggctttcgc cgatgaagat gctccaatgg cttcttcttc 120

ttccactggg aaacaagaag aaagtgtaaa tgggtcactt gaggatggag attacaagca 180

accacttgtt tggattgact tggaaatgac tggattaaat gttgaagttg acaggatatt 240

ggagattgca tgtataatta ctaatggaga tttaacacaa tcagtggagg gtccagattt 300

agttgtacgt caaacgaaag actgtttgga taaaatggat gactggtgtc aaactcatca 360

tggagctagt gggttgacga agaaagtgct cctcantgcg ataactgaa 409

<210> 18155
<211> 397
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-029-Q1-E1-G2

<400> 18155

aaaagaaaaa agcctagagg aatagaannn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnng ataagaatca atggccaagg aattagcaga 120

taaagctaaa naagcttttc tagatgatga cttcggtgtt gctgttgact tatantccaa 180

agccattgac ttgngatccc aattgcgccn ccttcttcnc cgatnttgct caggccaaca 240

tcancatcga taacttcact gaagctgttg tagatgcgat caacagccat tgngttggga 300

ngcaacgttg gcaaangcct aatctcagaa agggcactgc ttgtantgaa agctagaaga 360

gttanaagna ntgctaaagc aaccctggga anaatgg 397

<210> 18156
<211> 320
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-029-Q1-E1-H10

<400> 18156

ggctggcgan aaggacgaca gaaggggntg tcaaagcgac acaaggacga attcctgtct 60

tcttggatgg tggtgttcga cgtggcactg atgtcttcan agcacttgca cttggngcct 120

ccgggatatt tattgccaga ccactggtat tcttattggn agctgaaggg aganggctgg 180

antttanaaa agggtgcttc aantgctacc gtgatgagtt cnacctgacc attgcactga 240

agtggggtgt cnggtcccta agaggnaaat ctcccgtanc canatttacc aaccgaatgg 300

ggaaacgtcc acntccttca 320

<210> 18157
<211> 380
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-029-Q1-E1-G11

<400> 18157

ggtcgcagtg accaggcccg ggcgactgtt taccaaaaac acaggtctcc gcaaagtcgt 60

aagaccatgt atgggggctg acgcctgccc agtgccggaa ggttaaggaa gttggtgacc 120

tgatgacagg ggagccggcg gccgaagccc cggtgaacag cggccgtaac aataacggtc 180

ctaaggtagc gaaattcctt gtcgggtaag ttccgacccg cacgaaaggc gtaacgatct 240

gggcactgtc tcggagaaga ggctcggtga aatagacatg tctgtatgga cgacgatcct 300

gtgcgcagag gaaagccatc taaccacact gtctacggct ctgggcatgg gcattctcgc 360

cgggtgacgc cctcctccca 380

<210> 18158
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-029-Q1-E1-H6

<400> 18158

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ctcaatggnc gcctcaacaa tggctctctc ctcnnctgnc ttcgccggta aggccgtcaa 120

gctttccccc gcngcatctg aagtccttgg nacacggtcg tgtgacaatg aggaagactg 180

ttgccaaccc aancggccca tcaggcagcc atgntacgga tctgcccgtg tcaagtactt 240

gggtccattc tctggcgaat cancgagcta ccttacnggg anagntcccc gganactacg 300

ggattgggac accgcccgga ctttcagctt gaccccgaga cattcgnaan gaaccgttga 360

actngaaagt tatccacagc aaggtg 386

<210> 18159
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-030-Q1-E1-A11

<400> 18159

gcatccgtac ggctgcgaac gacagaaggg gaaggaggat tcgataaaat ggctccaaga 60

tccgattcgc aaaccggctc cagtgtatca gacggttcag atcaatcctc aatggntcca 120

atattccacc ttctccgaat cgtcccattc tcatttctcc gaccaccgcg cctccgtctg 180

aagattccat cgttcacgct tccttctccg atgactgtat acgctctaat tctccttacc 240

tacttttac tagtctccgg tttcgtctac gacgtaattg tcgagcctcc gggtatcggn 300

tcaactcang atccgactac tggnactatt ccgacccgtt gtgtttatgt cgggtcgggt 360

taacggggca ntatatcatt ganggtctct cttctggatt catgttcggt tctcggtgg 419

<210> 18160
<211> 361
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-030-Q1-E1-A12

<400> 18160

cgacagaagg gtctcatgga gagttcgatc ctggctcagg atgaacgctg gcggcatgct 60

taacacatgc aagtcggacg ggaantggtg tttccantgg cggacgggtg antaacgcgt 120

aagaacctgc ccttgggagg ggaacaacag ctggaaacgg ctgctaatac cccgtaggct 180

gaggagcaaa aggaggaatc cgcccgagga ggggctcgcg tctgattagc tagttggtga 240

ggcaatagct taccagggng attatcagta tctggtccga gaggattatc anccacactg 300

ngactgagac acggcccaga ctcctacgng gangcaacag tggggaattt tccncagtgg 360

g 361

<210> 18161
<211> 492

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-030-Q1-E1-A3

<400> 18161

tacntttccg tgcccgtccg aanattaaag ggtccacnca cgcgtccggn tgcgaaaacg 60

acagaagggg gggataagtt ttctaaaaaa tcgaagaaag atcgatggct ctagatatct 120

gcgtgaaggt tgccgtcggt gctcctgatg ttctcggcga ctgtccgttt agccaacgtg 180

ctcttctgac acttgaggag aagaagcttc cctacaagac ccatctgatt aacgtctccg 240

acaaacccca atggttctta gacattagtc cagaggggaa agttccggtg gtgaagcttg 300

atggcaaatg ggtggctgat tctgacgtaa ttgttggact tcttgaagag aaatatccan 360

gagccttctc tcaagactcc tcctgaattt gctctgtagg atncaaaatc cttggtgctt 420

tgtgaccttc ntgaaaganc aaaagacgct aatgacgggt tccganaang ctttggtgat 480

gaattagaac cn 492

<210> 18162
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-030-Q1-E1-A4

<400> 18162

ggaagcgaat tttctgacta agtatggatc taaggtttat attattcata ggagggatac 60

gtttagggcg tctaanatta tgcagcagag agctttgtct aaccctaaga ttgaagtgat 120

ttggaaccct gccgtggttg aggcgtatgg tgatgaaaat ggacgtgttc ttggaggatt 180

gaaggtgaag aatgttgtta ctggggatgt ttcagatctg aangtgtctg gattgttctt 240

tgctattggt catgagccag ctacgaagtt tttggatggg cagcttgagc ttgatgaaca 300

tggttatgtt gtgaccaagc caggtactac taagacgagc gtggttggtg tatttgctgc 360

tggagatgtt caagacaann aagtatanac aggccatcac tgctgcanga ac 412

<210> 18163
<211> 457

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-030-Q1-E1-B11

<400> 18163

gcatccgtac ggctgcgaga aacgacagaa gggtactgct gcgagaagac gacagaaggg 60

tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga agggtacggc 120

tgcganaaga cgacagaagg gtacggctgc gagaagacga cagaagggta cggctgcnan 180

aagacgacag aaggggatcc aaaanaacaa aacannaaat tatattcaag agaaaaagga 240

aaaaatgaat ttcatctccg attaaggtna aagaaaactc tcaagctcaa caacaagagg 300

agccagaaca cnancaagnc aagtcnaagg gaancgaaac aancttccna gaccaacctn 360

cccaacgccc nagcctcntg ggcaagtttc ccaanggttn gtaacttaaa nctgctcnaa 420

cccgcaanct ccttaacgaa tnccagctta aacctcc 457

<210> 18164
<211> 369
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-030-Q1-E1-B5

<400> 18164

atcaacgctc gtgcacgcca angtcttgtc aacggaggtg gaatcattga nacntgtttc 60

tggcccggga agtatncatt agagctaagt tcagccgtct atggtaaact atggaggttt 120

gaccagnaaa ggcttacccg cggatctcat caaaaggggg ttggctgang aagataagac 180

cacagancat ggagtacgtc tgacgatacc anactatcca tttgcaaatg atggtccaat 240

attgtgggat gcaantaaag aatgggtgac agactatgtg aaacattact atcctgatga 300

nnaactgatn acatcgggca tganttcaaa gggatggtgg agtganttgc ggaacatagc 360

cacgganac 369

<210> 18165
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-030-Q1-E1-C10

<400> 18165

gcgtccgtac ggctgcgaga agacgacaga aggggccctc ttcgctgctc ctgccagcgt 60

taataataat aactctgttc cggcaaaaaa tggaggttac acagttgggg atttcatgac 120

tccgagacag aatttgcacg ttgttaagcc ctctacgtcg gtcgatgatg cgttggaact 180

tctggttgag aagaaagtca cgggattgcc tgtaattgac gataattgga cactggttgg 240

tgttgtttct gattacgatt tgcttgcatt ggactccatc tctggtcgca gtcaaaatga 300

tacaaacttg ttccctgatg tcgacagtac ctggaaaacg tttaacgaac tacagaaact 360

gatcagtaag acatatggaa aagttgttgg agactgatga caccgtctcc tctcgttgtc 420

cgt 423

<210> 18166
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-030-Q1-E1-C12

<400> 18166

tgccccncca gtacaagtca aaattcccgg gtcgacccac gcgtccgctg cgaaaagacg 60

acagaagggg actgacgata caaactcgac gaagcaatgt ggtctcttgc nctaacgtta 120

ccatctccgt ctttggtgtc ngtgangagt actanactcg gncgaagtgt tattaatggt 180

ggccggaatt ggtcaggact tactaagttg tcngagaaat cgangactaa acgaggtaat 240

ggtcnctgct gcaaggcgga gctgtcngag ctanctccag tcgtctctgc tacttatggt 300

gtacttcttc taagacgcgg tctcttcgct tatagcaaat ctggaagcan aggttctctc 360

tttgggggtt tgaccgggtt ctgttcttat ggcatctgcc tacttcctta ctaaatcacc 420

agagacanga gttctcngcg ataccatang tcttggtgct gcc 463

<210> 18167
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-030-Q1-E1-C7

<400> 18167

gctgcgtcag taaancgtat tcntaaaanc anccattggt gtgattgact ctataagaga 60

attcgtcagc gtgaagcaat ctccaatcta atcgcagcat atcttctccg attcctattc 120

gtctctgcaa ttgaatcttc cggtaggcga agatggcgac gtctgcgagg atttgttgcg 180

gaggaggaag tgcatgcncc gttcgttgtg atcgtcgcac gtnaaatttg aattctcgat 240

cgtcatgtgt tgttccaagt gacgaatcga cggaatatgt gtgcgatcgg gaagatttcg 300

antgtcgatg gangatttgt caccaccgtc tgcnncggtg aangattnan angattggtg 360

gaacgaaacc cggtggatct gtngtgtcca ggg 393

<210> 18168
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-030-Q1-E1-C9

<400> 18168

gcgtccgtac ggctgcgaga agacgacaga aggggccctc ttcgctgctc ctgccagcgt 60

taataataat aactctgttc cggcaaaaaa tggaggttac acagttgggg atttcatgac 120

tccgagacag aatttgcacg ttgttaagcc ctctacgtcg gtcgatgatg cgttggaact 180

tctggttgag aagaaagtca cgggattgcc tgtaattgac gataattgga cactggttgg 240

tgttgtttct gattacgatt tgcttgcatt ggactccatc tctggtcgca gtcaaaatga 300

tacaaacttg ttccctgatg tcgacagtac ctggaaaacg tttaacgaac tacagaaact 360

gatcagtaag acatatggaa aagttgttgg agacttgatg acaccgtctc ctctcgttgt 420

ccgt 424

<210> 18169
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-030-Q1-E1-D3

<400> 18169

tacgtttgcc cgtgcccggt ccgaanatta angggtcgac gcacgcgtcc gcccacgcat 60

ccgcccacgc gtccgtacgg ctgcgagaag acgacagaag gggaagaaga gaagaagaag 120

aaccttacaa ttgcttttgt aaatattgta ngtagtttaa ggacgtcact acctacatac 180

atggatttat gtggaactca gatgctgcgc ctctcatcgc ctcatttcaa aacccttcat 240

ttggttagtc ttgcatttat ttatccattt caatcttgat cgcatggaaa atgctancaa 300

tctcgatctc atggaacatt ttcacgtgag gcatgcacaa ggagtccaca atatagcatt 360

agaagagaag ggagagaaac ctgaatcaga aaanctttt gacgcccanc tttctccaaa 420

ggggtctgca acaggtttcg gaaaggcgca nccaaatcct tgnatcacgg attacttaac 480

actgtcgagt nagtgat 497

<210> 18170
<211> 289
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-030-Q1-E1-D4

<400> 18170

cctcacaaga ttcaagggat angacctggt tttataccaa gtgtnttgaa tgttgatctt 60

attgacgaag ttgttcangt ttcaagtgat gaatccattg acatggcaag gcancttgct 120

cttaaagaag gtcttcttgt gggaatatca tccggtgcag cagctgctgc ancaattaaa 180

cttgcacaga ggccanaaaa cgctgggaag ctanttgtag cgatattccc cnnagtttct 240

gngaanaggt atctatcaac ggtacttttc gattccgacg cggaaacaa 289

<210> 18171
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-028-Q1-E1-H2

<400> 18171

aggcaatcaa aaaaatatgg ctgcgtctcc caagataggc atcggtattg nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnngtc aaccaacccg 180

aactcgctct tctgattccc tccgcctcag agtctccgcc accgccaatt ctccgtcttc 240

ttcttcttca ggaggcgaga ttatcgagaa tgtagtgatt ataggctccg gtcccgccgg 300

ttatacggcg gcgatatatg cagcgcgcgc caatttgaag ccggtggttt ttgaagggta 360

tcagatgggc ggagttcccg gtggacaatt gatgacaact actgaagttg agaantttcc 420

gg 422

<210> 18172
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-028-Q1-E1-H5

<400> 18172

actttgttca tctaaaaact cctcctttca tttccaaaca aaaacttctt tttattctca 60

catcttaaag atctctctca tggcgatgtc tttctcagga gctgttctca ctggtatgac 120

ttcttctttc cacagcggag ccaagcagag cagcttcggc gctgtcagag tcggccagaa 180

aactcagttc gtcgtcgttt ctcaacgcaa gaagtcgttg atctacgccg ctaaaggtga 240

cggcaacatc ctcgatgacc tcaacgaggc cacaaagaaa gcttcagatt tcgtgacgga 300

taaaacaaaa gaggcattag cagatggtga gaaagcgaaa gactacgttg ttgaaaaaaa 360

cagtgaaacc gcaagataca ttgggtaaag aagctgagaa agctgcggcg tatgtgga 418

<210> 18173
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-028-Q1-E1-H8

<400> 18173

attgcaaaaa gaaaaccaaa acaaagctca atcatggcta gtcggagaga agtacggtgc 60

cggtgcggca gacggatgtg ggttcaacca gacgcccgta ccgtccaatg ctcaacctgc 120

cacaccgtca cgcagctcta ctcgctagtg gacatagctc gcggtgcaaa ccgcataatt 180

catgggtttn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnatgatgg ctcaaccgcc accacggctg cttgagcctc ttccctcgct gtttgggaag 300

aagagagcag ttttatgcgg cgtgaactat aaggggaaaa agttatagct tgaaaaggtt 360

gcatcagttg atgctaagtc catgagatct taatgggtca acaaaatggg tttccctaat 420

g 421

<210> 18174
<211> 384
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-029-Q1-E1-A3

<400> 18174

gacgaagaag caaagatgtt cagaaaccaa tacgacacag atgttacgac atggagtcca 60

acaggtcgtt tattccaagt ggaatacgcc atggaagcag tgaagcaagg atctgcagca 120

attggactca gatctcgttc tcatgtcgtt ctcgcttgtg ttaacaaagc tcaatcggag 180

ctttcttcgc atcagaggaa gatctttaaa gtcgatgacc atatcggtgt tgcaatcgct 240

ggtctcacaa gccgacggtc gtgtattgtc tcggtatatg agatcggaat cgattaatca 300

ctcttttact tatgagtctc ctcttcctgt tggtcgtctc gttgttcaac cttgctgata 360

aagctcaaag gtctgtaccc aacg 384

<210> 18175
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-028-Q1-E1-H12

<400> 18175

gcgtccgtac ggctgcgaga agacgacaga aggggacagg agtcgagaga gaaattagcc 60

atggcgacca gagctttgct cgccgttata tatgcgtctc cgaatcgctg ctacatctct 120

ccgagcagga tcaaaatcca atctttaact tgttcttctt caagtcatta ttaccaaaga 180

cagagtagaa aaaaccacag aatagctcga agttactcgt ctgactcgga ttcctccgtt 240

cttcagccgc cggatgtggc ccgtcttgct cagacagctc gaatctctct aactccggcg 300

gagatagagg aatgtgaaac taaaattcgt cgagtcatcg actggtttgg gcaacttcaa 360

caaagttgat gttaacagtg tggagccagc tattagagca gaaatggatg gtgggaaatt 420

tgcgagagga tgctccagaa acatttngac aacaagga 458

<210> 18176
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-029-Q1-E1-A4

<400> 18176

aagttttcta ctttgcaatt tagataaatc tttctatcca cattgagaat aaattaaggg 60

ctctcaattt cgaattctgc ttctccaacg aaaaaaacga aatctttaat ggcgaagaaa 120

ggaggagcga cgctagctga ggatgcacca tggcgagttt cgtcaggaag accagtgcct 180

aagatcagtc gctctccggt tttatctatc tctcaaaacc caagaaaccg attacgccat 240

ttccgtcatg aagcatccga atcctgtggg aggtgggttt gcgatggaag ctgtacttga 300

atccgcagga cctgaatgcg ttgttcctgg ccaagtaaca cctcttcggt tacttgggtg 360

ttaaggtgtg gcctgttgaa gttgatctta aaattc 396

<210> 18177
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-029-Q1-E1-A8

<400> 18177

gttggagagg aaatggcgtc gggatgggga ataacgggaa acaaagggag atgctacgat 60

ttctggatgg atttcagtga atgtatgtct cactgcagag agcccaaaga ttgtaccctt 120

cttcgtgaag attacctcga gtgtctccac cattccaaag agtttcaaag aaggaacagg 180

atatacaagg aggagcagcg tanactaaga gcagcttcga ngaaaggtga anaanccgga 240

gatgggactc acanccatca ctagtctcaa caatcctcct tcaagcttca tccgattcca 300

ganaagaatn atanaaggtt catgngaaca ttttgtatct tggaatctct aanacgcttt 360

gattgttttt cagttttcaa ntttatccaa t 391

<210> 18178
<211> 378
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-029-Q1-E1-B11

<400> 18178

tgagaggaaa atcaatccaa atgtagtcac tttcagcgca ttgattgatg catttgtgaa 60

ggaggggaag cttgtagagg ctgagaaatt gtacgacgag atgatcaaaa ggtctataga 120

tcctgatatt ttcacttata gttcactgat caatgggttt tgtatgcacg atcgtttaga 180

cgaggccaag cacatgtttg agttgatgat tagcaaggac tgtttcccaa acgtagtgac 240

ttacaatact cttataaagg gattttgtaa ggctaagaga gtagacgaag gtatggaact 300

cttccgcgag atgtctcaaa gaggattggt tggcaacaca gtcacttaca ccactcttat 360

ccatggattt tttcaagc 378

<210> 18179
<211> 373
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-029-Q1-E1-B5

<400> 18179

gtttaaaatt aaaaaaaaag aangtaaaag agtcagagcc gcctaagaga aatcgatnac 60

aaattcaaga agaaaagaac aagagaaaac agaggaagan gtgagatgga agaacttgta 120

nggcttctga gaatccgagt gaagagaggg atnaatcttg ctcagcgaga cactctaagc 180

agcgaacctt ttgttgtcat aaccatggga tnacagaagc tgaagactcg tgttgtggaa 240

aataactgca accctgagtt gaacgaggaa ttaacccttg cgtttaagac atcccgatga 300

acctgtgaaa tcctgatagt gtatgataaa gatacattca catcgcacga caagattgga 360

gatgcaagat aga 373

<210> 18180

<211> 379
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-029-Q1-E1-C5

<400> 18180

gaaaacttaa aaaagttccc aatttcgaaa aatgtcacta accgcacaat tctcgccgcc 60

ggtcaccgga ataaccagga gtctccggga tacaaaaccg tcactgtcta atctccgtgt 120

attttcggtt tacactgaga taagaactat gacgacgagt aatctgagga aatcggcgtg 180

ttttgtggct aaggctatag aacagagacg aagatacagc tggatctgaa tcggaatcag 240

aagcgactcc cgtcaccggc ggaagagagt ggaagcggag aagataagga attggagatt 300

accgcgatag gagcagagat aaaagcagcg attgagcaga aggaaaacgg gcggaggaag 360

aagaaaggga aagaaccna 379

<210> 18181
<211> 389
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-029-Q1-E1-D6

<400> 18181

gaaaggaaaa tatgagtgag gacaagagga agcaacactt cgtgctatct acatggtgcg 60

tgccacggcn catggtgctg gtacaaggtn aagcctcttc tcgaggcttt gggccatcat 120

gtanccgcct tagacctanc tgcttccggt ataganacaa ccaggtcaat cactgacatt 180

tctacatgtg aacantantc tganccattg atgcagctaa tgacntcatt gccnaatgat 240

gacaacgttg tactcnttgg tcatagcttt ggangtttga gtttagcctt aaccatggga 300

taactttccc gataanatct ctgtcnctgt cntcgtnact gcattcatgn cccgacnnca 360

aacantcanc atcnctcggt ctaggaaat 389

<210> 18182
<211> 382
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-029-Q1-E1-D9

<400> 18182

ccaaaaaaat aaaagatttt tacattcgac gagaccgtga tcgaaacggc gatggttgac 60

caagagtcct cgccgtgttg tcgtggcggc gctcctattg tttgtggttc tgtgcgatct 120

ttcgaattct gcgggagctg cgaattctgt gtcagctttc gttcagaacg ccatcttgtc 180

caacaagatt gtcatcttct ccaaatccta ctgcccgtat tgtttgcggt cgaaacgtat 240

attcaagcca acttaaggaa agagccattt gttgtggagc ttgatcagag agaggacgga 300

gatcaaatcc agtatgagct tttagaattc gttggtcgtc gtactgtccc gcaaagtttt 360

tgttaacggc aagcataatt gg 382

<210> 18183
<211> 377
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-029-Q1-E1-E1

<400> 18183

aagagacaag gaggcatgtt tgtgaagatc aacatgtatg gtgttccaat tggncgtaaa 60

gttgttctca ttgctcataa tagctatgng nagttacctt tcanagttga caancncttc 120

aaaggcctnc ttgcanctca aaganacttt ccancancca tagaagatga aaanccaanc 180

acnggattat tagatgggaa tggggaatat acccttacat atgaagacaa tgagggagac 240

aagatgcttg taggagatgt tccatggtaa atgtttgtgt cntcggtgaa gaggctgcgt 300

gtgattaaaa cttctgagat ttcttcagca ttaacatatg gaaatggtan gcaagagaat 360

ntgagaagat gaagaaa 377

<210> 18184
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-029-Q1-E1-E4

<400> 18184

tatcgtcggg atttttgac cggagaaatg gggaggagga ttttgaacga tgcgttgagg 60

acgattgtga atgctgagag acnaggaaaa gcttcggtgg agctcaaacc aatctccacc 120

gttatgtctt cgttcttgag aatcatgaag gagaaaggtt atatcaagaa ctttcaagtg 180

tatgatccac atagagttgg gagaataaca gttgatctgc aagggagggt taatgactgc 240

aaagctctta cctacaggca anacgttagg gcaaaagagg ttgagaaata cactgaacgc 300

acacttccaa cacgtcagtg gggttatgtt gtaatcacaa ctccggatgg gattttggac 360

caangannaa gcantcangc ggaatgtggg gtgg 394

<210> 18185
<211> 377
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-029-Q1-E1-E9

<400> 18185

tggcagtgag acaaaaagca atggcgacgt tgccgaaact gattcaaagc atgagaaacg 60

aagttacgaa gcagcccagt cttgtcttac catctctcag aagagctttc tctctctacg 120

atcagatcaa tctcatcgat aacgttcctg aggatcagct ccgatttcag gagtattcat 180

ctctctcagt catgttccta atttgactat gtagcaaggg aatttggatt ttcgggtatg 240

aaatgaatca attaatggtg ctttttgcag gtttgatgag acgagtttca ctgtgaatgg 300

ggttaaatac gaaggaagct tgctctgtgt tgggaatttg ctaangtcat ggaaccctcg 360

ttacttctcc gacanca 377

<210> 18186
<211> 397
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-029-Q1-E1-F2

<400> 18186

gaggggggctt ttgaattttt ttgctcaact tccaaatcgt cgccggcgat agaaacccta 60

gatttgattc tccgtcggtt atatcnagca atgtcgtttt ttcccccaca gcaacaacag 120

acgcctcagc cgctgtttca aactcagcaa acgtcgttgt ttcagccgca gcaaaccaat 180

tccatcttct cgcaatcgca accacagcaa accaattcca tcttctcnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nttgtatttg ttcaccaacg ataaagctcc 360

ggcgaattac angtactaaa gtgggccgat cttcatc 397

<210> 18187
<211> 374
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-029-Q1-E1-F7

<400> 18187

agaggaaagt tgctacttcc ttgaaattaa tcaatgacac acttgatgat ttgattgcaa 60

catgcaagag aatggtagaa gaagaggagt tgcagtttca cgaggagtat atgaacgaaa 120

gagatcctag catccttcac tttcttttag cttcaggaga tgatgtctct agtaagcagc 180

ttcgtgatga cttgatgaca atgcttatag ccggacatga aacatcggcg gcagtattaa 240

catggacctt ttacctttta acaacggaac caagtgtagt tgccaaactt caagaagagg 300

ttgattctgt aattggagat agattcccaa ccatacaaga tatgaaaaag ctgaaataca 360

ctactccgag tcat 374

<210> 18188
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-026-Q1-E1-G1

<400> 18188

aacggaagat ctgcaactga atctggagaa gactgctttt ccgggctcac aaacaggtgt 60

ctaatagaag ttgtagacaa agcctatagc ggaaccatca tcacttgcaa gattcatgac 120

atggttcgtg atttggtgat cgatatagcc aagaaggatt cgttctctaa cccggaaggc 180

ctcaactgtc gtcaccttgg gattagtgga aactttgatg agaagcagat caaagttaac 240

cataagctga gaggcgtagt gtcaacaact aagacaggtg aagtgaacaa gctcaactca 300

gacttagcta agaaattcac agactgcaaa tatcttcggg ttctcgatat ctcgaaatcc 360

atatttgatg ctcctctgtc tgagattttg gatgagattg caagccttca acacttagca 420

tg 422

<210> 18189
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-026-Q1-E1-G11

<400> 18189

atcaacgctc gtgcacgcca aagtcttgtc aacggaggtg gaatcattga gacttgtttc 60

tggcccggga agtatgcatt agagctaagt tcagccgtct atggtaaact atggaggttt 120

gaccaggaag gcttacccgc ggatctcatc aaaagggggt tggctgagga agataagacc 180

acagaacatg gagtacgtct gacgatacca gactatccat ttgcaaatga tggtctaata 240

ttgtgggatg caattaaaga atgggtgaca gactatgtga agcattacta tcctgatgaa 300

gaactgatca catcggacga ggaactccaa ggatggtgga gtgaagtgcg gaacataagc 360

cacggagaca agaaagacga ancttg 386

<210> 18190
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-026-Q1-E1-G4

<400> 18190

accacaaccc tggaccaaca acactgtgta tgtcgccaag aaaaacgggg cagtgcgcgt 60

gtgcattgac tgcacccctg ccaaccaggt gactgaggat ttcgattggc cgctgccgcg 120

cctgcaggac ctgcgccacc gtctggccgg ggccagatgg ttctcacgta tggatctcag 180

cgacgcgttc ttccgcatca gcgtgcctca cgaaatgcgg taccccacca cctacacatg 240

cgacaacgtt gactactggt tcacaaaaat gccgttcgga ctcaagacgg caccgagtgt 300

gtttcagcgg ttcatggacc acgttcttgc gcgttgcaag aacgaagctt tctggtacat 360

ggacgatgta ctggtgactg ccgacagtcg ggaagagctc gtccgccgga cgcgcaaggt 420

acggcat 427

<210> 18191
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-026-Q1-E1-H1

<400> 18191

gaggggggctt ttgaattttt ttgctcaact tccaaatcgt cgccggcgat agaaacccta 60

gatttgattc tccgtcggtt atatccagca atgtcgtttt ttcccccaca gcaacaacag 120

acgcctcagc cgctgtttca aactcagcaa acgtcgttgt ttcagccgca gcaaaccaat 180

tccatcttct cgcaatcgca accacagcaa accaattcca tcttctcaca accgcagcaa 240

caacagcaaa cgtcgttgtt tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnttgtattt gttcaccaac gataaagctc 360

cggcgaatta cagtactaag tgggccgatc ttcatcccga ttctcagaaa ctcttgcttc 420

agatt 425

<210> 18192
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-026-Q1-E1-F4

<400> 18192

gtcagctcaa ctacccaagt ttctcggttt tgtttggggg taaaagagtt gtgcggtaca 60

ctcgggaagt aacaaatgtt ggtgcagcaa gctcggttta caaagtgacg gttaatggag 120

ctcctagtgt cggaatctct gttaaaccat cgaaactttc gtttaaaagc gtgggagaga 180

agaagaggta cacagtcacg tttgttagca agaaaggagt gagtatgacg aacaaggctg 240

agtttggttc catcacttgg agcaatccgc agcacgaagt gagaagtccc gttgcattct 300

cttggaaccg gttttgataa aaaaactaac atccctagtg atgatgtttt ctatttaaag 360

ttatcttgat tgggtttang ctaaaccaaa gcccatcatg agccataagt agtgggaaat 420

gttcctgtgt n 431

<210> 18193
<211> 379
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-026-Q1-E1-H12

<400> 18193

ggactccgnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nntgaatcgg aaagattact ggttgttcga agggatcatt 120

gtgaaggtga tgagtaaggc tttggcagag aaagggtatt ataagcaaaa angtgttgtg 180

aagaaagtga ttgataatta tgttggggag atcaanatgc ttgattctaa acatgtgttg 240

agagttgatc aaaangagct agagactgtg cttccacaaa ttgganggat ggtgaagata 300

gtgaatgggg catatcgtgg ttcnaatgca angttgttgg gtgtggatac agagaagttc 360

tgtgccaaag tgcanatcg 379

<210> 18194
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-026-Q1-E1-H5

<400> 18194

gatacgatgt tgctgagata atagaccgga gaaagacgac gaagagatca gcgattttgt 60

ttactcctcc aatggattca gctcgagagg tcagcgatgg tagacttacc gtcgaaggtt 120

tctctgtagc ttctcgagct tttgccgata agtggaagat acataaccaa tcgttccctc 180

catggtcttg ggttcctctg atcaatcgaa ctctacttgt ttcaaagaag caggaggaag 240

gttacttgtc gctggagaag atcataattc tcagttcact tgaggaggaa attccagagg 300

atgaatctct aaatgtagct actgattgct tggaaaaaga agaaacagtt gatcacgcga 360

ttttggtccc aaccatggaa aatgaagcac actactatga tttccatata gtttaca 417

<210> 18195

<211> 383
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-026-Q1-E1-H7

<400> 18195

tggtttttgg aaatggggag ctttgattat cgcatttcta gcttatttca ccaactttgt 60

tagtaaactc aacagtctag ttgttaggtt aagaaaaata gatgtctctg tttcctctcc 120

aactcttttt gatgattacg atagcgattc cgatgtttct tgttcctcta ccgtctcctc 180

tgacgatgaa aaagacgaag aagatgaggc tgatgatgaa gatgaggatg ttgactcgat 240

ctttaatcga agacgagtca acggaggttt ccgcgttann nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn atagtggtag 360

ttttggagat ttgtctcatg ggc 383

<210> 18196
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-026-Q1-E1-H8

<400> 18196

gaaagaggtg atgatttgat aagggtattg agagagttat ctgttgttca aaggaaaatt 60

gcagacttac aggtcgagct tcaagggagg aaggatgata aaaatgtggc gcatttgact 120

catgttggtg aaatgcaaaa gaaaatcgag actttgtcaa ggattactca aatattgaaa 180

gatgttatac aaaacaagga tcgcattatt gctcgtctcc aacaacacca ggaggtaacg 240

aaatgacaca tagagactca gattgtgtga ctccacctca agggangata gagtcaagct 300

tcgacgattt aactgttcat aaaacaaagg agacaaaaca atgatcaaaa tgaagaagaa 360

agaagaaaga anaagaaaga angaagatgg taataacaaa tgggaacccg aggactatcc 420

ttggctcc 428

<210> 18197
<211> 445
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-027-Q1-E1-A10

<400> 18197

aacgacagaa gggggagaca aaccaaaaaa aagcctaaaa agccgacctt ttttctttct 60

ttctctcctc tacctctcag cttctgctgg atctctccag cagacacgat cttgttcgga 120

gagattcgta ggggaccgat ctatcaaggc ttcaagggca aacagaaatg gaccacgaca 180

agacaggatg ccaaagccca cctgaaggtc ccaagctatg tactaacaac tgcggtttct 240

ttggaagcgc tgccacaaat gaacatgtgt tctaagtgtc acaaagggat atgttgttcc 300

aacaggagca gggcgctaag tttgcatccg caantgttct ggaacaatcc gtcatccaag 360

caacatcata aaaggaaacc tttaccgctg ccgttgggcc gatattgaaa accaaaatcc 420

cgttgaaccc gatgaacggt ttctg 445

<210> 18198
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-027-Q1-E1-A12

<400> 18198

caaaccaact ccatcaggca cagcctcaaa cccacttccc ccaccagccc cggcatcagt 60

cccttctctg tctgcaatgg acctcttagc ctacgagagg caactggctc tanccaagat 120

gcatcctcag gctcaacatt ctctgaggca agcaggtctt ggagtcaatg ttgctggagg 180

aactgcagct atgtatgatg gtggctatca gaatgtagct gcggcccatc agcagctcat 240

gtactatcag taataaaccc tcttcactgg ctctgagata ccttttttccg tntcttcctt 300

ttcctcctct taatttttatn actttccttg ctttttctag acttccntgt tcangagtcc 360

ttatgtaagg tgtcncccttc attttnaagc cgtttg 396

<210> 18199
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-027-Q1-E1-A4

<400> 18199

gcgtccgtac ggctgcgaga agacgacaga aggggattgc tacaggaaga ctaggatctt 60

catggagaat tttcttccca agttggggat cactgtcact gtgattgatc ctgctgatat 120

cgcagggctt gaagctgcag tgaatgagtt caaggtatct ctgttcttca ctgagtcccc 180

gacaaaccca ttccttagat gtgtcgacat tgagctagtt tcaaaaatat gccacaagag 240

gggaactctg gtttgcattg atggcacctt tgcaacacct ctgaatcaga aagcccttgc 300

tcttggtgct gatcttgtcg tgcactctgc tacaaagtac attggaggac acaatgatgt 360

tccttgccgg atgcatctgt gggtcactga aattgggttc aaaaattcgc aatcctgcat 420

caagtgtttg ggaaggaaca acttanccca aaacaatcct tccttgagnc 470

<210> 18200
<211> 320
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-027-Q1-E1-A7

<400> 18200

gctgcgagaa gacgacagaa gggtacggct gcgagaagac gacagaaggg gaaaaaaaaa 60

naaaaanaaa annnagtaaa aagcggccgc tctagaggat ccaagcttac gtacncgtnc 120

atgcgangtc atanctcttc tatantgtca cctaanttca attcactggc cgtcgtttta 180

caacntcgtn actgggaaaa ccctgncgtt acccaactta ntcgccttgc agcacatccc 240

cctttcgcca gctggcgtaa tagcgaanag gcccgcaccg atcgcccttc ccaacagttg 300

cgcaacctna atggcnaatg 320

<210> 18201
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-027-Q1-E1-B12

<400> 18201

gcgtccgtac ggctgcgaga nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnncttcttc ttcgtagggt gttcatcgtt attaacgtta tcgcccctac gtcagctcca 180

tctccaagaa acatgggtgc angtggaaga atgccggttc ctacttcttc caagaaatcg 240

ggaaccgaca ccacaaagtg tgtgccgtnc naaaaaccgn ctttctcngt gggggatntg 300

aagaaagcaa tccccgccgc aatgtttcna acgctcaatc cctcgctcct tctcccaact 360

tancantgac atcnntatag nctcangcct ttaantaang ttgccaccaa ttnaatttct 420

ctcctcccct aaactctcnc cta 443

<210> 18202
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-027-Q1-E1-B3

<400> 18202

agaaggggga agaagcagta acaaatttgg tgaagtcacg agaatcaacg atgacggcga 60

cgaacaagca agtcatattg aaagactacg tgagtggttt ccctacggaa tccgatttcg 120

atttcactac caccaccgtc gaacttaggg ttccggaagg tactaactct gttctagtga 180

agaatctcta cttgtcatgc gatccttaca tgagaattcg catggggaaa cctgatcctt 240

ccactgctgc tcttgctcaa gcttacactc ccggccagcc aatccaaggg tatggagtgt 300

ctagaataat agaatctgga catccagatt acaagaaagg agatttactc tgggggtata 360

gttcatggga aggatacagt gctatcactc caatgactca cgcgcatttc aaagattcaa 420

catactgat 429

<210> 18203
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-027-Q1-E1-B6

<400> 18203

gcgtccgtac ggctgcgaga agacgacaga aggggatctc cttgaaggtc ttgcagattt 60

tgaaaagcaa ttaaatgttc ccggaggaac tgttgatgca caagatgtga aaagtggtgg 120

aactgataaa gctgatgaat cgaagggtcc aaaaggtaca aaaacaggtt cgagcaatgg 180

atccaagtgg aagtctatgc tgaagaacat cgttgaacaa gtttcccagg tcccaattac 240

tttgtctata ggggtgtctt cgcttcgagg gacactgtgt gtacacatga agccgcctcc 300

atctgatcaa ctgtggtttg gcttcataag catgcctgat attgaattca accttgtccc 360

ctccngttgg gtgaacacaa natcacaaaa caagcatgtt gctaagttcc ttgggtcaac 420

cggttcaaag acggcgatac gagactcatg gtgctcccca anttgt 466

<210> 18204
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-025-Q1-E1-H4

<400> 18204

ccggnccgga aatcccgggg acttcccang cntccgttcg gctgcgaaga cgacagaagg 60

gcataaaaaa aaaaaaacac aaaaaagttt caatggccgc ctcaacaatg gntctctcct 120

ccctgctttc gccggaaang ntgtgaacct ttcccctgcg gnatcaaaan tccttggaaa 180

cggccgtgtn acaatgagga aaactgttgc caaaccaaan ggtccatcan gcaacccatg 240

gtacggatnc gaccgagtca aatacttggg tccantctcc ggcgagtcac ccanctacct 300

taccggagaa ttccctggag aatacggacg ggacacaact ggtctatccg ctgaaccccg 360

agacantccc aaggaacctt gagnctanaa atttatncac aacaaggtgg gccaagcccc 420

ggancctaa ggtgcgtctt ccccgaaacc ttttggcaag aaccggngtc aanttttgng 480

aagcaatttt ggtcaaaggc tgggt 505

<210> 18205
<211> 359
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-025-Q1-E1-H5

<400> 18205

ggctgcgaga agacgacaga agggtacggc tgcgagaaga cgacanaagg gtacggctgc 60

ganaagacga cacgaanggg ttgattgtaa nncaaaaaaa nanantanca aaatnaaaan 120

cggccgctct ataggatcca agcttacgtn cgcgtgcatg ccacntcata gctcttctat 180

agtgtcaccn aaattcaatt cactggccgt cgttttacaa cgtcgtgact gggaaaaccc 240

tggcgttacc caacttaatc gccttgcatg cacatccccc tttcnccagc tggcgtaata 300

gcnaacaagg ccgcaccgat tgcccttccc aacagttgcg caacctgaat ggccaatgg 359

<210> 18206
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-025-Q1-E1-H6

<400> 18206

cggagcttat ccgttacgac tgcgtcattg cacggaaaga agaaatccat ggatatggcc 60

gaacgangtc tcgatactgg ccggagatct cttactgttt ctcgttctcc tttgggttta 120

acangangcg ancggactgt gaaacggtta angctatcna aagcacttac agtaccagca 180

acaacaacta tatatgaagc ttgtaaaang atggcttcac gacgagttga tgccttgttg 240

ttgactgact ctaatgaaat gctttgtggt attcttactg ataaggacat agctacaaga 300

gtgatttcac aggaacttaa tgtcnaggaa acacctgtat ctaaggttat gacnaagaan 360

ccaatgtttg ttctccaana aacacttgct gttgaaactc tccaaaagat ggtc 414

<210> 18207
<211> 470
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-025-Q1-E1-H7

<400> 18207

gcgtccgtac gaagaagacg acagaaggat acggctgcga gaagacgaca gaaggggtc 60

gacctttttt ctctcactta cccaataaga gctttttcg cgttttccac cgcaaccacc 120

gtcaccttca accgccggag ccgccgcaag gaaggctcat catccgccgt ggcaattttt 180

tgaggtgtac aaagcattgc ctatttgacg aaccaggaaa tggttaaaag gcatggagag 240

ttttgattta caagatatat catgtcgcag tgcatagacg gtttcaagca tgtatgctcc 300

tctttttccg gtgttttgat atcgatattt acaaacaatc tgggaggcct tggtgaccct 360

gaacttcttg cgaaagagac agtttttaac cgtgagtgaa atagaagctc tctaagaanc 420

tgtttaaaga aaatcagcaa ttgctgttaa ttgatgaang gctaataaac 470

<210> 18208
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-025-Q1-E1-H2

<400> 18208

aggggactcg gcgaagaaga aatcagaaaa gagtcagaga aaaaaaaaat caaggaagat 60

gagtagcatt ggnactgggt acgatctctc cgtcaccact ttccctcccg atggccgtgt 120

tttccagatc gagtatgccg ctaaagctgt cgacaacant gggactgttg ttggaatcaa 180

gtgcaaagat gggattgtta tgggagttga gaaacttatt gcatcaaaga tgatgctacc 240

aagttccaac aaggagaatc caatctgttc atcngtcaag ctggcaatgg ctgttgctgg 300

gccttgcaac ctgatgggaa ggcaaaantt gttgccccnt tgctaaagtt ctgaaagcac 360

caaaanccta atgaagaaat ggttttaaag gggcgaatgc cggtnacctg tttaaaggga 420

acntttctga aa 432

<210> 18209
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-026-Q1-E1-A8

<400> 18209

ctctcagtct actttatccg atcggcgccg gcgagattca agggtaaaga agaagatgag 60

tggtgaagtt gttttagctg ctagagttta tcgtgacctt ctcaaagcag tggtgaaaca 120

tgttggtaaa gaagatcaca agtctcattt cttagacttt gttaagcaag aatttcgaaa 180

gaatgcaaac tcagagaaaa taaaccttgc tcgaaattat acatatcttc tcaatagcat 240

tcactctcac aaggatctgc tgttctcata caacattgcg gttgataaga actgaagaaa 300

tgaaacgagt gcttaataaa tctgcagcca gtgtanggct tcgtcttcct gaagtttacg 360

agccttgatc atgcattcat tcctctttgt ctttccgggg gatgagtcgt tatgattt 418

<210> 18210
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-026-Q1-E1-B11

<400> 18210

acgcgtccgc gacagaaggg gggggaagac aattccgaga aaatagagag tagagagatc 60

ctaaagagtc aaaagaggtc aggtgattga ttaacccgtt gaataatctc cttctcccgt 120

tgaatcgggt cgaaatagtt gaactttaag ccaaacccta gcttgaggag gaagaggaat 180

ggtcggcgtg atgaacagat tgaggaatct ggacgcttac cctaaaatca atgaagattt 240

ctacaggcgt actctttctg gtggtgttat caccctcgcc tcttctattg tcatgctaat 300

tctcttcttc tccgagcttc agctgtacat tcacccggtt actgagactc agcttcgtgt 360

tgatacatca agaggagaga agctacggat taattttgat gttacattcc ctgcgcttca 420

atgttcgatt atagtcctga ttccatgg 448

<210> 18211
<211> 361
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-026-Q1-E1-B7

<400> 18211

tatgggatct ttcgtgaaag aagaaacgtc gtcgttgatg acagattttt tggagaagtg 60

cggtggttat gcggtggtgg atggagggtt tgcgacggag ctacagcgcc acggagctga 120

tatcaatgat ccactttgga gtgctaagtg ccttattact tctcctcacc ttgttacaaa 180

ggtgcacttg gattaccttg aatctggagc aaatatcatc ataacagcat cttaccaggc 240

gacgatacan ggttttgtgg caaaaggtct atcggtggga gaagcanana atttacttag 300

aaggagcgtt gaaatcacgt acgaggcacn ttagattttc tacaacagat gcaccaaggg 360

t 361

<210> 18212
<211> 377
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-026-Q1-E1-C12

<400> 18212

gatgaatccc ttcagagcga tgcagccgcg agattgccag tcacacttgc tctcgctagc 60

ttatggctcc gtagaaacta tgctgatacc gtcctggtga gagttgtgga ttcattacca 120

gaagtgtatc cgaaggtaga gacttggata gagaatgtgg tgtttgaaga aggtaatgca 180

acaatactta cactctttgt ctgtctcatc acaattctct atctccggga aagacaacgt 240

agacaagtcg tcgttgttgc cgatccagtg gctgctgacg tggcacagcc gctcgacgct 300

gatgtggcgc aacacctcgc tgcgttccca cggtaatcaa ntngtaatcg tttttcgtca 360

attgtaataa cngaaaa 377

<210> 18213
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-026-Q1-E1-C7

<400> 18213

aaaaaaaaag tgagcgtgtt gatgcataac gaacgatgcc attttccgca tcaatctcat 60

cgccttcttc ttctgtcgcg cttcttcgat cgcctctctc tttcttcatc ttcactccca 120

aaaccctaat cttcaccaga accaggatct ctggtttccc ttatcttgct tcccggcgat 180

cccgcgattt catcaacggg agggatgatt tcgctgacga tacgaggagc tggaaccgga 240

agatcaaacc ggagtatggg ttcnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn ntggatctgt tacttagatt tgtagaaaat gttttcagaa 360

agatttctaa gagagcaagg aaagctgtcc gatcaatttt gcctgtttcg atctctac 418

<210> 18214
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-026-Q1-E1-D10

<400> 18214

atgagacttc tcctctgaaa gcaattgatt ttggtctttc tgactatgtc aagccagacg 60

agaggttgaa tgatattgta gggagtgctt actatgtggc cccggaagtt ttacaccgta 120

catatggaac agaagctgac atgtggagta taggagtgat tgcttatatt cttctctgtg 180

gcagtcgacc cttttgggcc cgtactgaat ccggaatctt tcgagctgta ctaaaggcag 240

aaccaaattt tgaagaagct ccttggcctt ctctatcacc cgaagctgta gattttgtga 300

agagattgct aaacaaagat taccgtaaaa gactaactgc ggcccaagct tcgtgtcatc 360

cctggctggt tggctcncat gaactaaaga ttccatct 398

<210> 18215
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-026-Q1-E1-D2

<400> 18215

gaagtgaaac cttcttcctc tttcttgaat ccatcaaaga atgctacgaa gctcttgtca 60

ttgccaaatt cttggcattg atgtatagtt atctaaacat atctatgagc aaaaacattt 120

tgcctgatgg aatcaaagga agagagattc accattcttt cccaatgact ctttttcagc 180

ctcatgtagt ccgtttggat cgtcacactc ttaaactttt gaaatactgg acatggcaat 240

ttgtggtcat tcgacccgtg tgctccactt tgatgatagc tttacagctc atcgggtttt 300

atccttcatg gttgagctgg acattcacta tcattgtcaa tttctcggtt tctctggcct 360

tgtattctct tgtgatattc taccatgtgt ttgctaagga gcttgctcct cataatccac 420

tc 422

<210> 18216
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-026-Q1-E1-E9

<400> 18216

aagagaccgg tggggctcag attcagactc agatgtggaa annnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnntcat gccagtagca acaagaggaa 180

acatgaagaa ctcggttcca gtgaccttcc ttcnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnna catcgtcgtc atattaagtc tgatatgttt tgtatttcac 300

tttgtacctg ctctatttca gcttgtgtgc tcagttttgt tataattggt gatggaaaat 360

ggtgatttac atattaatga agcaatttat ttttctcaca a 401

<210> 18217
<211> 295
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-026-Q1-E1-F12

<400> 18217

acaatggctc gagctggtcc cagcttttgg agacccttcc ccttccaaat atcaaatgga 60

tttgcccgac tgctccttct caaccaataa gtttatttgg tggttttccc tccacagctt 120

ggtttgatgt tgtggacatc aatgaagatg gacctgatga tatggaagga ttggatgtgg 180

ctgctgcaca tgttgcaaat ctgttgtcga atgagcctgc tgacattaaa ttangtgttg 240

gaggattcaa catgggtgtg gcgacatctc nataatctgc aactgttttg ccccc 295

<210> 18218
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-026-Q1-E1-F2

<400> 18218

aaaagaaaag tttgcgactt tgattggttt cgatgaagct tcgacaaaca cagggttttg 60

tctgaatcct tttggtttat ttccgagaga atttgtgttt tttactttaa gggtttgaaa 120

gaagaagcaa gaacataaat gggttgtgcg ggatcgacac agtctcaagc agatgggtca 180

gtgaagaaaa ttaggaagcc gaaaccgtgg aagcataccc aaccgatcac gaaagctgag 240

cttatgaaac ttagagaaga gttttgggac actgctcctc attatggtgg tagaaaagag 300

atatgggacg cacttcgcgc tgctgcagaa gctgacatat ctcttgcaca agcaattgtg 360

gacagtgcaa gagtcattgt tcagaacaca ngatccacag tctgctatga cgagagaagt 420

gcta 424

<210> 18219
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-026-Q1-E1-F3

<400> 18219

gttgcagaga atctagcgag accaatggct actctggtct cgtctcaaac ttacatctac 60

cattgtcata ttagtaaaca agctctttat caggcaaaag aatcatactc tcatcgtaga 120

atttcccgtc ataatcacag agaaagactc gatttttctc atagaaacca tagattgaca 180

ataactagaa agcagcaacc tttgtctttc aacaccgtgt gttttgccgc agacgagccc 240

tccgaaatca gtgctgatgc tagaatccgt agtgaggttc tgtctccgtt cagatcagtc 300

cgtatgttct tctacctcgc ctttatagca agcggttcat taggaggact aatagccact 360

tctaggctca tangtgccct ggcgaatccg gctagatc 398

<210> 18220
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-025-Q1-E1-E9

<400> 18220

taaggtaata gaagctgctg agaagcctga ggagacgata gtaccaaggc aatttattga 60

tttaggccct acgagagcag taggtgaggc cgaggatgtg tcaaattctt catccgaaga 120

tagaactcgt tcgggggttt cttctgcagc cgagaggcgt agtaacggga agagacttgg 180

gcgtgaagaa agccccgaaa ctgagtccaa caaaattcag aagacgagaa tatcaaccaa 240

cggtagtgaa tttaggtttc cggtgagtct ctcaggtatt cgtgatcgtg aagatgaaga 300

tttttcatct ggcgttgctg ggagataatg accgtgaagt tcccggcgaa attgggattt 360

cttctcccga caaagaaatc caangggttg nncttgaaga cnacnaaggg atttcctgtg 420

aaanaaagga agaacaagga tgttc 445

<210> 18221
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-025-Q1-E1-F1

<400> 18221

agatcgaaga gaagaatagt ttgatcatcc tgtgaagaaa aataatggct gcntnnatta 60

tnccaacctc cggggnaatn naancaacng ggttncacgg tgggaaaaac ggcggntaaa 120

ggattaccnt cgntcacaaa agctcntccc tccttcaaaa ttgtcnccag cggcgtcaan 180

aagatcaaga ccgacaancc cttcggaatt aacggcagca tggacttgag ggacggcgtc 240

aacgcctccg gcaaaaaagg gcaagggata cggtgtttac taatacgtcg acaagtatgg 300

agctaactcn atggatacag tcctaattta caacgagaac gaatggtcaa ccaantggtg 360

accttgtaca aaggaangat caccggattg gcaantttgg ccgtaactcc tcgccggaat 420

tcttgccnga ggtgctc 437

<210> 18222
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-025-Q1-E1-F10

<400> 18222

tccnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ngctagtgag agctgcgtcg 120

gtgaggagtt tagggcacaa gaatgagata gacatgttga tacaagagaa gctgcaacag 180

cagaagcaac agaagcaagg agggttgcct aagagctcga gtactgggat ggcgaggata 240

gaggaagagg aagaaacaga ggaaggatct gtgaatccga aggtgaagaa gactaagaaa 300

gtctctgatc ttttgtatcc tcgtagcaaa tcttacgccg ttactactag tacccctatc 360

ttgtaacttc tcttcntcct ttttcctcnt cttaatttta gtantttgtg gattgattaa 420

caattttcca nccca 435

<210> 18223
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-025-Q1-E1-E8

<400> 18223

ccacgagaaa acctaaattt tattgaggta gcttattgca cggcggcgat tagttgtttt 60

acttgttaca agaaaatcat tccacggcgg tggagaaaaa acaaaagaga gcgagacaaa 120

gagagactac aatggctgtt ccaagaggag gaaatggttt gaatgaagaa gaagatgttg 180

acggagaaaa cgctatcttt gaggaaaacg gtgttgacta cgacaccgat tccgagcttc 240

cctctcacct ccgtgacttg gccgccgctg ctcaagccgg agatgtcgcc gccttgcgca 300

ccgccatcga caatttgaat gggagagtcg atgagccact ccaaggataa tgactccgca 360

cttcacttgg catgtctata tggtcaccta ccttgtgttc aactgctcct tanaaag 417

<210> 18224
<211> 285
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-025-Q1-E1-F12

<400> 18224

gaagacgaag cacactgaga attcaccggc cagagatcac caataagtgt tgtagtttcc 60

ggttacttcg aataaccttc aatggagctt ccgttactct cgtatgctaa ctccgcgtcg 120

ttttcacgga caggcttatg ctcttcttct tcttcctcct caactagtat ctatgagttt 180

ccggagagaa gacngagttt aaaattgaga ttcaatggtg gaaaaangtc acgaaacntt 240

ataaccttcc gctgaacgga acatttaaag gattgagaaa acacc 285

<210> 18225
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-025-Q1-E1-F2

<400> 18225

acgacagaag ggtacggctg cgagaagacg acagaanggt acggctgcga gaagacgaca 60

gaagggtacg gctgcnagaa gacgacagaa gggtacggct gcgagaagac gacagaaggg 120

tacggctgcn anaagacgac agaanggtac ngctgcnaan aagacgacag aagggtacgg 180

ctgcgagaag acgacagaag ggtacggctg cgagaagacn acagaanggt acggctgcna 240

gaagaccaca gaagggtacg gctgcgagaa gacgacagaa aggtacggct gcgagaagac 300

gacagaangg tacngctgcg agaagacgac agaaaggtac cgctgccaaa agacnacana 360

aaggtaccgc tgccnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420

nngcggcnct ct 432

<210> 18226
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-025-Q1-E1-F4

<400> 18226

aaggactaag acatcacgag gaacacgatg ggtgaagcgg tcaaggatgg agttatcctt 60

gctcgttgtc tangtgaagc gataaaggca aagagtctga aaggtgaaac agaagaaaat 120

gaagaagagg gttataagag gattgaagaa ggtttgaaga agtatgcagg agaaaggaaa 180

tggagaagca ttgatcttat aacaacggca tatacagtag gattcataca ncanagcaan 240

agggaagtgg atgaacatgt tcagagacan gttcctgtcg tcntaccttt ctaggatgct 300

gctgaaaaaa gtcccatttc aattgccgga agccttgtcc atgatgatcc tcaaccataa 360

atccaaaacc ttgtaatcct ccttgtcatc acaactggan nacaattttc acctttgggt 420

ttgctcaa 428

<210> 18227
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-025-Q1-E1-F5

<400> 18227

gcgtccgtac ggctgcgagn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnt ttcatctccg atcaggtaaa gaaactctca 120

agctcaacac cagaggagcc agaccacaac aagccagtcg aaggaaccga aacagctaca 180

agaccagcta ccaacgccga gctcatggca agtgccaagg ttgtanctga agctgctcaa 240

gccgcagctc gtaacgaatc aggcaaantc gacaanggta aagtcgccgg agccctctgc 300

ttgatatctt aaacgctgcc gagaaatacg gtagtttcna tgaaaatagn ccactgggca 360

gttactccga caaggctgan aagtatctca tcaattanna atcgttaaaa tcaacggtng 420

ctggtggtcc ncctcctccg ganaatcaag ggt 453

<210> 18228
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-025-Q1-E1-F6

<400> 18228

ggctgcgtca gtaaaacgta ttcttaaaag caaccattgg tgtgattgac tctataagag 60

aattcgtcag cgtgaagcaa tctccaatct aatcgcagca tatcttctcc gattcctatt 120

cgtctctgca attgaatctt ccggtaggcg aagatggcga cgtctgcgaa ggatttgttg 180

cggaggagga agtgcatgcg ccgttcgttg tgatcgtcgc acgttaaatt tgaattctcg 240

atcgtcatgt gttgttccag tgacgaatcg acggaatatg tgtgcgatcg ggaagatttc 300

gatgtcnatg gaggatttgt caccaccgtc tgcggcggtg aagattgaaa ggatcggtgg 360

aaggaaaccc gtgggatcgt tgtgtcnagg ganaanctaa atgtgtggtt gaganattc 419

<210> 18229
<211> 365
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-025-Q1-E1-F8

<400> 18229

gaaggggggag aagaaaaagt tgaaaaaatt gtaaagtcag tctctccgac tcttccttcc 60

ttccgtgttc accattgcta cacgttctcc acgaactttc cgatgcccag tcgtcggaga 120

catagctaca ccgtcggatc tcctgcaacc acatcttcca attacagtaa cactactttc 180

accgatcgtt ccttcccgac aacccctgcc cgtacatcca ccgacacaac cacctccatc 240

gctcgtcgca tctccggtat cttcatcaac tgcttcactc ctcccgattc cgtttcctcc 300

aactacatcg acaattcaaa gtctcttccg acaataatat ccgtagtana cgtagctcaa 360

cagga 365

<210> 18230
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-025-Q1-E1-G10

<400> 18230

cactttgttc atctaaaaac tcctcctttc atttccaaac aaaaacttct ttttattctc 60

acatcttaaa gatctctctc atggcgatgt ctttctcagg agctgttctc actggtatgg 120

cttcttcttt ccacagcgga gccaagcaga gcagcttcgg cgctgtcaga gtcggccaga 180

aaactcagtt cgtcgtcgtt tctcaacgca agaagtcgtt gatctacgcc gctaaaggtg 240

acggcaacat cctcgatgac ctcaacgagg ccacaaagaa agcttcagat ttcgtgacgg 300

ataaaacaaa agaggcatta gcagatggtg agaaagcgaa agactacgtt gttgaaaaaa 360

acagtgaaac cgcagataca ttgggtaaag aagctgagaa agctgcgggt atgttggag 419

<210> 18231
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-025-Q1-E1-G11

<400> 18231

gccgaagtgt tgttttctta tagaaggatt ttgatttctt ctgcaaaatt cgatcgatag 60

tgacgagaaa gatcctaaga tggcgaccgc aagcgagagt tcttcattta agagatggct 120

tccacttgaa tctaacccag atgttatgaa tcagtatctc tggggacttg gtcttgcccc 180

tgatgaagca gagtgcaatg atgtgtatgg gttagacgat gaacttctag aggtggttcc 240

aaagcctgtt cttgctgttc tcttccttta cccaatcacc aaaaagagtg aagaagagag 300

aatcgagcaa gacaaggaaa ttaaggaaaa ggtgcatagc gataaagttt actttatgaa 360

acaaactgtt ggtaatgctt gtggaaccat tggtcttctc atgctattgg gaatattacc 420

tctgaaa 427

<210> 18232
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-025-Q1-E1-G2

<400> 18232

gcgtccgtac ggctgcgaga agacgacaga agggaactta agaaaaaaaa ccaaaaaaaa 60

agagagaggt gaaattgatt ttctgctcgc gatcgtcatt tcaatttcta attagctttc 120

ctggtgtttc ttctccggcg taatcatgac aacctcaaaa agactagcag acaggaagat 180

tgagaaattc gacaaaaaca ttttaaagag aggatttgtt cctgagacca ccaccaagaa 240

gggcaaggat tatcccgttg gtcccatcct tcttggcttc tttgtctttg ttgtcattgg 300

atcatctctc tttcagatca ttangactgc aactagcgga ggcatggcat aaaccaaaat 360

acagtcaagc tagaagaagc agttttcaaa atgtagaatc atcctccgtc ccccttcctt 420

ttcncccccc aaactgtana atgtgtcaac tttccgttta caaaac 466

<210> 18233
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-025-Q1-E1-G4

<400> 18233

gcgtccgtac gggcgaagaa gacgacagaa gggggagtcc aagagtagtg gtgaaggtgg 60

atttgaagaa gaagccatgg cagcaggacc aaccattgca caatagatgg catccggaga 120

taccaccagt agcagaggtc aaggctggtg agtttttccg ggtagaaatg attgatgcaa 180

tgggaggtgt tatcaaagac aatgactctg caagcgatat caagaaccta gtcctaacta 240

ctggttgtag atgaggaang tgttgcagct aaagcangtg atcttcntgc tgttgagatg 300

tgcaacttgg gtcctcttcc anganatgaa tgggggattc actgggttcg ttttgataga 360

aaaaatggtg ggcgggtttc ntgactgaac aatttccctt gtnccnanca aaagctaant 420

ttggaacntt nnaagggatt ntaatgncct antcctcctc aanantnctg ggaagttacn 480

aatttcccg 489

<210> 18234
<211> 471
<212> DNA.
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-025-Q1-E1-G7

<400> 18234

gcgtccgtac ggctgcgaga agacgacaga agggggctct aagacccagt ttgactcgtt 60

gatcaacgaa agtgtgagtt tgaggtgaaa gatgacggcg acgatagatc ggaggttatc 120

aacgctgaat ccaaacgcgc cggtgtttga tccggtggaa tttcgtgagg tggaggattt 180

ttcaccgaaa tggtgggatc tagtaacgac ttcgaaatgg ttccgtgact tttggctcag 240

tgctaactct gagaatgagt tcctcggcgg cgacgatttc tcagttatgg aagaagagtt 300

cgaggagatg atcgcatcgt ctgatggtgg gatccatggc tgatacagtt acagaagcaa 360

gatgttggct aattanttga aaaatgcttt tgaacaatag cggagtccta cnaaagagaa 420

gatttataga ttcnaanggt ttcgccntgt tcaccaaaag tataacagaa g 471

<210> 18235
<211> 373
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-025-Q1-E1-G9

<400> 18235

cttccaagaa gaacaagata gccagtgaga gtgatccttt agtaagagcc gaacttcaca 60

aactaaacgg aaatggtcaa gaacatgatc attcatccac atcaccaaaa tctgatgaag 120

catctcgctc taccgttgga cctcaggaac cgcaaagccc ttatgtggaa gcaccgaaac 180

ttggagaaga gcaaatcaac tatcacttcc caaggcctgc gccgcctcca ggagcacaga 240

gacactctta aactggcaat ggattgattc acagatgaac gaaaaggtta ttttttcctt 300

tttttgctat ataatataag tctttatgca tatttgatat atttgcangt gttggtatta 360

ccattatgta att 373

<210> 18236
<211> 373
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-023-Q1-E1-E7

<400> 18236

aaggcgctat tatcagccat gagtaatctc atcagtttgc ctgttcccga gaatcgtcaa 60

agcgattccg ttgttgagaa tgatacttct gagacaaaac ctattctact ctggagagca 120

ctgtacgtgc aagagctagt caagggtgaa tttggaggta cgatcagttc catgcctagt 180

ccaagatgga aacttgaact acaatgagat agtggaatca gccgtgaagc tatatgaaaa 240

gctcatgggg agtgaagaat tatttaaaga agggacctca ccggcggaga acacaacgga 300

ggangaaaac gatggtggtg ttgaaaatag aagattgatt gatgaatgaa accattgggt 360

tttaacgact tan 373

<210> 18237
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-023-Q1-E1-F2

<400> 18237

agcagcaaat actatcatca cccatctcct tagttctatt ttataattcc tcttcttttt 60

gttcatagct ttgtaattat agtcttattt ctctttaagg ctcaataaga ggagatgggt 120

gaannnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ggtctttgac 180

gtggccagcc acgatttcgt ccctccataa ccggctttta aatgcttcga tgatgatggc 240

cgcctcaaaa gaactgggac tgtttggacc gcgagcgctc atataataac tgcggttatc 300

ggattcggcg ttttgtcatt gggcgtgggg cgattgcaca actccggatg gatcgctggg 360

cctgctgtga tgccaattgt tccccccctgg taatccttta ctcctccana cttcctaacg 420

aatgg 425

<210> 18238
<211> 336
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-023-Q1-E1-F4

<400> 18238

agtcttctaa atcatttggg cgaaaagtcc aaattaaatc aaaagatgtt caaagttgca 60

agagcgtcac agtatttggc gatcaccggt gctggtatcg aagacatcaa gctttccaag 120

aagtcatggg tgtttccatg gcaatcttgc accgtcttcg acgtttctcc ggtgaactat 180

actttcaaag tccaagccat gaacgcagaa aagcttcctt ttgttcttcc ccgctgtttt 240

tacgattggt cctcgccgtt gatgaccatg acgcccctga attttgtatg ctaaggttga 300

atttctcccn catgataaaa gaatccaatc catgtc 336

<210> 18239
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-023-Q1-E1-F6

<400> 18239

ctatacttca ctgtttgcaa aagaaattan ccctgatcct aatcagtccg agttggacga 60

ctgattctcn tgttgattgg gatatcaaga gtgtggatgg anacaaaatt ggtaccaagc 120

cgtttaatgg taaactggan gtgtantcaa aaggtttgag atacctttg angtatatta 180

aggataacta tggcgaccca naagttatca ttgccgagaa tggatacgga naanaccttg 240

gtagaagcac aatgacgtaa actttgggac acaagatnac aacaganaat attatatcca 300

caggcatctc ttgagtatgc acgacgccat ttgcaangac acantgaacg ttacnggata 360

cnttgtgtgg tcctttgatg gaacaacttt gaatngcaag attgggtaca aggcgaagt 419

<210> 18240
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-023-Q1-E1-F8

<400> 18240

cccacgcgtc cgcccacgcg tccgcccacg cgtccgtacg gctgcgagaa gacacagaag 60

ggtacggctg cgagaagacg acagaagggt acggctgcga gaagacgaca gaagggtacg 120

gctgcgagaa gacgacagaa gggcataaaa aaaaaaaaca caaaaaagtt tcaatggccg 180

cctcaacaat ggctctctcc tcccctgctt tcgccggaaa ggctgtgaac ctttcccctg 240

cggcatcaga agtccttgga agcggccgtg tgacaacgag gaagactgtt gccaagccaa 300

agggtcatca ngcancccat ggtacggatt cgaccgagtc aaagtacttg ggtccattct 360

ctggccaagt caccaactac ctttancggg agagttccct ggaaacaacg gatgggacac 420

aagctggtcc aatccgcnga cccgagaa 448

<210> 18241
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-023-Q1-E1-E6

<400> 18241

tgatctgtca cggatcgtga gtaatttgaa gcttgtggtg tttcctaatc cgtatagga 60

agatcctggg aaagcactta gggattggga tctatgggga cctttttct tcattgtgtt 120

cttggggctt actctttcgt ggtctgcttc cgttaagaag tctgaagtat ttgccgtggc 180

atttgcacta cttgcagctg gggcagtgat cctcacacta aatgtgctgc ttctgggagg 240

acatataatc tttttccaaa gcctaagcct tctaggctac tgtctatttc cgctagacgt 300

tggagcagtg atctgcatgt tgaaagacat gtgatactga aanatggtcg tngtgtcgtg 360

actcctgcct ggaactcctt gggctgctta acccttttcat gaagcgcccg caat 414

<210> 18242
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-023-Q1-E1-F9

<400> 18242

gaagacgaca gaagggagcc taagagagga cgaggacgtc ctgtaggtag acccagaaag 60

attggaacat cagtcacgac tgggacacaa gattctggag aactcaagaa gaagtttgat 120

atttttcaag agaaagtgaa agaaattgtg aaggtgttga aggatggagt tacaagtgag 180

aatcaagcag tggtgcangc cntaaaagat ctggaagcac taacagtgac ggagaccgtt 240

gagccacaag ttatggaaga agtgcagcca gaggagactg cancaccaca ggctgaagct 300

caacaaactg aagctgctga gacacangga ggacaanaag aaggacaaga ntngagaggg 360

aaganacaca ganccaagac agaagcagan gcaatgcang angctctgtt ctgaagaata 420

nt 422

<210> 18243
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-023-Q1-E1-G12

<400> 18243

aagacgacag aagggacctt gaggaatctt gcaaaccaaa atgtgtgaag ccacttctcg 60

aatatcaggc atgtgtcaag agaatccaag gtgatgattc tggccacaag cattgcactg 120

gccagtattt tgactactgg caatgcattg acaaatgtgt tgcaccaaag ctgtttgcga 180

aactaaaatg aaaagaggtg aagctggaga ctctattgtc ttgagtttgc tacatgtggt 240

ttaaaattga tgtataaaat gcagtggatg ttgaactttt tttactgcaa accagattgc 300

caaatggctc tgcttcttgg ttttgtttcc atcgcaagtt tgcgcttact acatttttt 360

gctacttgag taattgcatg gcctaatagc aaaaaaaana a 401

<210> 18244
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-023-Q1-E1-G3

<400> 18244

ctactcctaa caccagtcaa aaatcatctc aagatcagag cccagatccc aaaccgacga 60

caccaaccgg gacgccgtcg acaactcctg ccgaagatag tagtacgacg tggtcaccgg 120

tagatacatc aatgatatac gaaggagctt tggatcaaaa caaaggatca ccgtccacgt 180

gtcatctttc gttatgtgga atcacagtca cacttgcgct ggccttttgt cggatgtggc 240

ggctcttttg acacctaact ttgtctcccc gcgtaaaaca ctgaagaatg tgggccctca 300

ctgacgaaaa gccttatctc gttccgggcc atgtgaancg gttatcccga acgacgtcng 360

atgggtcaag ggttaagaaa aaaagtttac aacacctaca gntacnaaaa tatccttcaa 420

tcatgttcat 430

<210> 18245
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-023-Q1-E1-G5

<400> 18245

gggcggacgc gtgggcggct gcgagaanac gacananggg ggcagccgat tcttctatta 60

cccgccatgg tgaagtactc gcaagaaccc gacaatcaga ccaagtcttg caaggctaga 120

ggatccgatc ttagggttca cttcaagaat actagggaaa cagcgcacgc aatcaggaag 180

ctaccattga tcaaggcgaa gaggtacctt gaggatgtga tggctcacaa gcaagcaatt 240

cccttcacac gtttctgcag angtgttggg agaactgctc aagctaagaa catgcactnt 300

aatggtcaag gacgttggcc anccaantcn gctcaatttg ttcttgattt gctcaagaac 360

ncctgagang canntgctga aggtgaaaag gttttggatg ttgatgccct cntcaatatc 420

a 421

<210> 18246
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-023-Q1-E1-H10

<400> 18246

tggttccctg cgcctaccgg gccggaaatc ccgggacgac ccacgcgtcc gtacngttgc 60

gagaagacna cngaagggga cangagtcga gagagaaatt agncatggng accagagctt 120

tgctcgccgt tatatatgcg tctccgaatc gctgctacat ctctccgagc aggatcaaaa 180

tccaancttt aacttgttct tcttcaagtc attattacna aagacagagt agaaaaaacc 240

acagaatagc tcgaagttac tcgtctgact cggattcctc cgttcttcag ccgccggatg 300

tggcccgtct tgctcagaca gctcgaatct ctctaactcc ggcggagata gangantgtg 360

aaactaaaat tcgtcgantc atcgactggt ttgggcagct tcaacangtt tgatgttaac 420

aatgtggagc cangctatta nagnagaaaa tgnatggtgg gaaattttgc naagaggatg 480

ctcccanaaa ccattt 496

<210> 18247
<211> 442
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-023-Q1-E1-H4

<400> 18247

gcccaaccgc gcatacgatc gtcgacatca tggcggcaag agcccactag ccacccccc 60

cgaaccattg cgcctgggac caataatccg ccagatgatt cacatttccc gagagaaccg 120

attgtagttc cgattccgac aaggtctctc gtttccacgt gtctgacagt cggaatgccg 180

tttccatgct ttgcgatccg tacatgccga cgcggcgcga ttgggagatt tccggattgc 240

agtatcagcc gggtcgacag tctcgtccca cgatgtgtga ccgtcgttct catggtgcat 300

tctgtgcttc aacgcgcaat gggactccgg aatcccgatn tcgctgggcc gttcnaagaa 360

ggggaaccct ggaatgccgt ctgaaccctg ggcgtcatga caantgctct ggctaaggca 420

antccgatgc cgtcgtccgg gt 442

<210> 18248
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-023-Q1-E1-H8

<400> 18248

ggaggtaatt accannnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnncgta tgccggagaa gctgttcana ctcagcccgg tcactacaac 240

aatatattaa ccaatcacca ccatgcgtgt attgcattat gtatgtatga ttttaagttc 300

accatggtgc gtttgtatga actgcctcan gtttttgagg cactatncat taagaagana 360

actatgngga ntaaactttt gattatgtaa tgttttatgt tggtttgagt tgtaatactt 420

gctgtttgca t 431

<210> 18249
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-024-Q1-E1-A1

<400> 18249

gcccacgcgt ccgcccacgc gtccgcccac gcgtccgtac ggctgcgaga agacgacaga 60

aggggactt cgaaactttc cgttaaaact taaaagcacc ttcctcataa tctctggtta 120

ctttgggaag aaaaatatca attttggcgc catgtcagcc ttgtctgtga tcgaacaacg 180

attgttaaag tgggacaagc tcgcgtcttt agtacccaaa tcaaaaaaaa ctccttttcc 240

gattgatcgt cnaaacgagc ttttgaaaag tctgtgctaa ttcaagttat ccaagaattg 300

gagaatcgat tcacgctcat ttgaattgtt accaaacaag catctagagc tgaagaccct 360

tatcaanatn naaatcccct gatcnatccc tanggtgaaa tgcaagaaaa actgttccgn 420

ngcncgcaag ccgttcgact taaangc 447

<210> 18250
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-024-Q1-E1-A2

<400> 18250

ggctccgaga agacgacaga agggtacggc tgcgagaaga cgacagaagg gtacggctgc 60

gaagaagacg acagaagggt acggctgcga aaagaccaca gangggtacg gctgcgaaaa 120

gacgacagaa aggggaaaac cacaacaaac acaaaaatcn aaangggtca tttactatct 180

tttaagagac gacatatata gttctcgacc aagaaaagaa aaaggggtga cctgagttct 240

tcaacatata acataatggc cncgagtttt caaaacggtt acntttcctg gttttggttt 300

tcnctgcccg tttgtttgtc cttcnccgga aggactacna tgtttggtga atgataccgg 360

aattggacca aaacctaatg gacccccaat ttctaaaacn actttgggcc tanccgntta 420

aaaactttcc ctttttggcg ancaaanctc ccaaatttta anttcccccc cccngggaaa 480

ggc 483

<210> 18251
<211> 429
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-024-Q1-E1-A8

<400> 18251

ggctgcgaga agacgacaga agggtacggc tgcgagaaga cgacagaagg gaagagaaaa 60

aagaaattat ggataactac agggaaaagc tcaggtcaat cgattgtaaa cactttagtt 120

ttggagatgg gaattgtcca ttcgggacaa gttgcttcta caagcacact gtgaagccag 180

gttcatatgc atggaaatat cacaggccac ctccaaggcg tccacgtccc tatggaacta 240

acttctcaga cgtggataca cttgtaaata tgatcgggaa tataatttca gaaggtgaat 300

atggtcctat tgggtttaga gatactgacg atgacgaact gactacaacg gatatgatga 360

tgttactgat gcacatggat atcgaatctg aagactcntc caatgangat agctattagc 420

tanccatat 429

<210> 18252
<211> 363
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-023-Q1-E1-A8

<400> 18252

ggaacgaaga tcatgttgct attatcaagg attacagagg aaagattgaa tccgagctta 60

gcaaaatctg tgatgggatt ttgaatgttc ttgaagctca tcttattcct tctgcttcac 120

cagctgaatc taaagtgttt tatcttaaga tgaagggtga ttatcatagg tatcttgctg 180

agtttaaggc tggtgctgaa aggaaagaac tgctgaaagc actttggttg cttacaagtc 240

tgcttccgac attgccactg ctgagttngc tcctactcac ccgataaggc ttggtcttgc 300

actcaacttc gctgtgtttn actatcaant ccccnnctcg cctgatngtg ctgcagcctc 360

gca 363

<210> 18253
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-023-Q1-E1-B11

<400> 18253

ctgtaaaaaa gatttanaaa tgganactct gagtcgttta ttggttttca tgtctctgtt 60

ttccggttta gtttctggat ttgctctgca aaatcttcca atcacatctt ttgaagaaag 120

ttacactcaa ctttttggtg acaagaactt atttgttcat caagatggca aatctgtccg 180

gttaacgctc gatgaaagaa ccggttccgg ttttgtttca aatgattatt acttgcatgg 240

attcttcagt gcttcaatta aattaccttc tgattataca gctggagttg ttgttgcctt 300

ttatatgtct aatggagata tgtatgaaga agaatcatga tgagatagat tttgagtttc 360

ttgggtaaca ttagagaaaa agaatggaga gttcaagaca aacatttacg gtaatgga 418

<210> 18254
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-023-Q1-E1-B9

<400> 18254

ggctgcgaga agacgacaga agggtacggc tgcgagaaga cgacagaagg gggaaacatt 60

tgagtacaca gcaattattt gcagatccca cagtgcctcc ataacagagt acggtggtgt 120

aggagacggc aagacgctaa acacaaaggc cttccaganc gccgttgatc atctcagcca 180

atactcatct gaaggcggag cacagctctt tgtacccgcc gggaaatggc tcaccggaag 240

tttcaacctc acaagccatt tcactctgtt tcttcacaaa gacgcaattc ttctcgctgc 300

tcaagactta aacgaatacc caattctaaa ggctttgcct tcgtacggac naggacntga 360

cgccgccggt ggaagattcg ctagtcncat cttcggcact aatctctccg acg 413

<210> 18255
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-023-Q1-E1-A2

<400> 18255

aaaataaaaa aataaaaatc tctatcttct tcttcgtctc ttctcatcct cctctcaagc 60

tccaatggcg agagttctag tctcgtctcc atcttcattc ttcggttcac cgttgattaa 120

accgtcgtca tctctccgtc acagtggagt aggaggagga ggaaccgctc aatttcttcc 180

ataccggagt aataataaca aactcttcac tacttcaacc accgtacgat tcagcttaaa 240

cgagattcct cctttccatg gcttggattc atctgtagac atcggagcga ttttcaacaa 300

gagctgaatc tcttctctat acaatagctg acgcccgccc gttgtttggt gctgattccg 360

ttgtaactac tgattcatcc gccgttcaaa aaaattggtg ggttggtttt ggtttaaccc 420

cgaagctaag gaaat 435

<210> 18256
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-023-Q1-E1-C11

<400> 18256

gaagggtacg gctgcgagaa gacgacagaa gggtacggct gcgagaagac gacagaaggg 60

gatccactga gattcagccc tttgtctcta agattcgata aananaaana naanatnaaa 120

anacnaaaag cggccgctct anaggatcca ngcttacgta nccntncatg cnacgtcana 180

gctcttctat antgtcacct aaattcaatt cactggccgt cgttttacaa cgtcgtgact 240

gggaaaaccc tggcgttacc caacttaatc nccttgcagc acatcccccc ttcgccagct 300

ggcgtaatag cgaagaggcc cgcaccgatn gcccttccca acagttgcgc agcctgaatg 360

gcgaatggga ccgcccttta acggcncatt aagcccggcg ggttctggtt gt 412

<210> 18257
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-023-Q1-E1-C4

<400> 18257

gacgttttaa attaaagccc caatagcaaa gatagaaaaa agaaacttta tttctcttag 60

taatacaata atccttatag aatgggtcaa gcaagatatc ttttttgttt gtttcccttg 120

ttaatcgtta taaacttgtt tctcaaaatt atgtttctgg ttagtttagg agctnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnngctt gtaaggtttc accgagacct 240

tcgatctctg aggagactgt gaaagtagan gataaagaat ggtggaatag aatgtctgaa 300

tcgagcacaa agaagagtgg tantancaat agcaacaaca gtattaaggg ccgaaacanc 360

ttaagggatg aaaaaagtna ctgcntctcc tttcccaaca ttcaagaaac taantcc 417

<210> 18258
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-023-Q1-E1-C8

<400> 18258

ggatttttca gtaaatggat agcctgacac gagaaagctg acctcactcg ctacttgggt 60

tgattgtgta aatatatgaa agtatcgtcg ttgagaaatt gggactctga tctgttgcag 120

aaagccgaaa gctttggtct ttggagctct aacctctgcc tctgaacaca cacagaatct 180

cccatggctg catttgcaac ggcagaagcg tgtgacagca acgcagaact aatatcaaat 240

ggagacttac gcgctcttca cccaatcttc aagatctatg gccaaagaan atgcntctca 300

ngaccaatcg tgactcccaa ggtccttgaa gacaatgtcc tcgtcagaaa ccaactngaa 360

angaanggga gaaagccgan tcctagttat agacggtggt gaaagcatga aatccncccc 420

tg 422

<210> 18259
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-023-Q1-E1-D10

<400> 18259

aaactgatcg ggagataaga gcggtaaaaa ccaccgagtc acgactcagt gactcaaatc 60

gttcttccca cacaaaaaaa atggttactg cgacagcatc aactccattt tcactctcgt 120

cgtccgtggt tttcacgcgc cgtcgtaatt tcaaacgttt tccagtttgc gccagtcttt 180

ctccggaggt ttctcctctt ctcagagcag ctcatcacac tgtggataat tatgtaaaga 240

gtgggatgat tattggttta ggatctggag aagcttcaga ttttgctata cgttatttgg 300

gtcaacaact tggttctggt tctttacata atgttgttgg tgtaccaatg tctgctcgaa 360

gtgcgagtga agcagcanag tatggaatcc ccttggaata ttaccg 406

<210> 18260
<211> 355
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-023-Q1-E1-D11

<400> 18260

agaaggggga acctccgatt tgactgcacc gtcggagctc gacgctgagc taagcttaac 60

caaagagctg tcgtatatta cactagcagt gaagatcgaa tcttaaaacc atggcttctc 120

cgaccaattc acagaaaaca gtttcggatg acgaggaagt tgattactcc atcaaaccgg 180

agttctatga ttcanatatt gatgatnaan atgagctttg gatggataag aagagaagat 240

ggtcgtactt ttgatgctct tcttagctgt ccaacttgtt tcaccactgt ctgcttagag 300

tgtcagaggg cacgaacaag tnngtgacan attcaggacc actcctttgt ggnca 355

<210> 18261
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-023-Q1-E1-D12

<400> 18261

ggctgcgaga agacgacaga agggtacggc tgcgagaaga cgacagaagg gtacggctgc 60

gagaagacga cagaagggta cggctgcgag aagacgacag aagggtacgg ctgcgagaag 120

acgacagaag ggtacggctg cgagaagacg acagaagggt acgatagaca ttgaatctgt 180

gccaaagttc cttaccactc tcagattgtt ggatctttac aaccaccccg gtgaatatgt 240

ggcaatgaat tcagagatct ccagcgcaat gcgagctgag aacaaagaat ttctggagaa 300

gatggaaagc tacgaaacac caatgtcatg cttcaagaac aacaaaggag attccattct 360

tcaccttgct gctgcttttg gtcatcttga gctagtaaag agcatantct 410

<210> 18262
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-023-Q1-E1-D3

<400> 18262

ccccaaacac acacaaacta aaaaaaaggc aaaaccctag atccaagatc agacctaatc 60

taatcgaaac tcatagctga aaaatgaaga gagatcatca ccaattccaa ggtcgattgt 120

ccaaccacgg gacttcttct tcatcatcat caatctctaa agataagatg atgatggtga 180

aaaaagaaga agacggtgga ggtaacatgg acgacgagct tctcgctgtt ttaggttaca 240

aagttaggtc atcggagatg gcggaggttg ctttgaaact cgaacaatta gagacgatga 300

tgagtaatgt tcaagaagat ggnttatctc atctcgcgaa cggatactgt tcattaaaat 360

ccgtccgagc tttaatcttg gcttgatata agctctctga gc 402

<210> 18263
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-023-Q1-E1-E1

<400> 18263

aaggaaggct tgacagcacc ggtcaggttg ttgctgttaa acaactagac aggaatggtc 60

tacaaggtaa cagagaattt ctggtagagg ttcttatgct cagtcttctt catcatccca 120

acttagtcaa ccttattggt tattgtgctg atggagatca acgcctcttg gtctacgagt 180

ttatgccgtt aggatcattg gaagatcacc tccacgatct tccaccggat aaggaggcct 240

tatattggaa catgagaatg aaaatagctg ctggtgcggc gaaaggattg gaatttctac 300

atgataaggc aaancctccg ggttatttat aganatttta aagtcatcaa atanttttac 360

tggaataagg gtttccaacc ctaaaccttt ctgantttgg accttgccaa aactccggac 420

caaacgggaa gacaaaa 437

<210> 18264
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-023-Q1-E1-E10

<400> 18264

gtgaccaggc ccgggcgact gtttaccaaa aacacaggtc tccgcaaagt cgtaagacca 60

tgtatggggg ctgacgcctg cccagtgccg gaaggttaag gaagttggtg acctgatgac 120

aggggagccg gcgaccgaag ccccggtgaa cggcggccgt aacaataacg gtcctaaggt 180

agcgaaattc cttgtcgggt aagttccgac ccgcacgaaa ggcgtaacga tctgggcact 240

gtctcggaga gaggctcggt gaaatagaca aaattggttg tggtcttgat tttataatgg 300

tcgatcggca tccacaattc aggcactcaa gatgcctctt tgttgtgaga acagatggtg 360

gatggataga tttctcgtac caaaagtgtc ttcgagccta tgttcga 407

<210> 18265
<211> 336
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-023-Q1-E1-E2

<400> 18265

acaaaccttt accagctctt ctacagcacg gagagattcg tcggagatag caaacatgga 60

gaagaaacgc gaaggagtaa tcgaaggaat gagtcggatc gtatcagatc cttactactt 120

cctccatttc atggcctttt tctcttacct cccgattcgt agctccgccg caccgtacac 180

ttctcatcga ctcttcgaca gagaaaatcc aagcatttct agcgtttcct aagttttccg 240

ccaataanat ggtgagggga ggaaacattg ggaaacnttc gttgctgata gtttactcct 300

atgctaagat ctttctaatt gccgtttccg ttgaat 336

<210> 18266
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-023-Q1-E1-E4

<400> 18266

ggatttcaat ttttgtttga gagagagaga gagagatggt gacgaangag caagtcgaag 60

cttcattgac ttcgaaactt aagccaattc atctcgaagt cattgacata tctggaggtt 120

gtggttcgag ttttgaagtg gaggttgtct ctgaacaatt cgaagggaag agattgctgg 180

agaggcatcg tatggtgaat gcngccctaa gaagaananc tgaaagagat tcatgctctc 240

tctantaana nagctcagac tccacaacaa tggaagccac catcacaaga ctctgcaacc 300

ttaancagag atgcctgaat ttctgttttt taaaagcctt gtgacaaata acaagagcat 360

ttactaangt tgaatacctt gtgggtaact ggtactccga attaactgcn tttga 415

<210> 18267
<211> 349
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-023-Q1-E1-E5

<400> 18267

tcacgaagac gacgagtgaa gaagaagaan aagcaatggg gagaaagaag ggattaccgg 60

agttcgaaga gtcggcgccg gatggctttg atccggaaaa tccatacaag gatccggtgg 120

cgatggttga natgananag cacatcgttc gagagaaatg gatccaaatc nagaaggcta 180

agatcttgcn tgagaaggtc aaatggtgtt accgcgtcaa aggagtcaat cactatcaga 240

aatgtcgtca tcttgttcag cagtatcctc gaattccact cgcnggcgtc cgttnnanga 300

aaggatcatc gtccctattt cgctccgcng gtcccaancc ggaagctgt 349

<210> 18268
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-022-Q1-E1-D2

<400> 18268

gtgaccaggc ccgggcgact gtttaccaaa aacacaggtc tccgcaaagt cgtaagacca 60

tgtatggggg ctgacgcctg cccagtgccg gaaggttaag gaagttggtg acctgatgac 120

aggggagccg gcgaccgaag ccccggtgaa cggcggccgt aactataacg gtcctaaggt 180

agcgaaattc cttgtcnggt aagttccgac ccgcacgaaa ggcgtaacga tctgggcact 240

gtctcggaga gaagctcggt taaatagaca tgtctgtgaa gatgcggact acctgcacct 300

ggacagaaag accctatgaa gagatttggg ggaaggtcca agtggcatga ngcanttcct 360

tacaattcct gttgtccata ataagttttg aaacatgctc caacctggtt aaccgttttg 420

aatgaaatga caagaacttn aaatggttgg ttnaaaccct t 461

<210> 18269
<211> 775
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-022-Q1-E1-E10

<400> 18269

aaaancctgg ggggtttttt tcggcccccc ttgggnggan cnttttaaa cccgggggg 60

gtnccccccgg gggaaaaaaa attttccccc cgggggggaa aatcccggaa ancccccnaa 120

acgggcccgg gtttncccgg gttttaacgg ggggccnttg ggcccgaaaa agaaaaaagg 180

aaaaccgnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnct tccnattttt 300

ncttcccaaa caaattcctt tgaagaaaga aaannnannn anncaaagaa ngcnaaaggt 360

ttataattta agaaggaatt ctcnattggg ccgaattggg ccgggtcctc ccggggaagc 420

ctggtccctc aagttggggc cttgggttct tccgttccct caaccgggaa gggcaaagaa 480

gaaggtgcca ccgcattgac aagcggcgta ggcactggga gctcagagag ttggcaggaa 540

aactcttatt gtcgctgctg cggctgctca gcctaagaaa tcttggatcc tgccgttaaa 600

ggtggtggca acttccttga acctgaatgg ctcgatggct cgctancaag gaagattttc 660

gggttcgaac cattggggtt tgggggaaaa gaacccgggc ttttcctgaa aatngtacaa 720

gaagaaggct gaactgattc atggcccgat nggccaatng caaccggttt ctttg 775

<210> 18270
<211> 503
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-022-Q1-E1-E11

<400> 18270

caaagctctn ctgagaagtt gaagtccgat attaangggg ggttttancc gtttgaaaac 60

ataataantg aatnccttng ttngnttctt aantacnaaa caaantgttt ggaaactaaa 120

tggttcaggg anaccaaaca agtttgaaat actccaatcc gaaggaatat gccaaaatca 180

tgtcgaccaa cttagaatcc gctttccatt tatctcaaat tgctcatcct cttctaaaag 240

catctggtgt cggaagcatt gtgttcatct cctctgtanc tggcctggtg catcttagca 300

gtggatctat ctatggtgca actaaaggag cacttaatca gcttacaaga aatctagctt 360

gcgagtgggc aagcgacaac atcagaacca attgcgtggc gccatggtac atcaagacct 420

cacttgtgga aatgctactt gagaacgaaa gaatttgtgg angctgtaat ttcanggacc 480

ccactttggc gcgtttggan aaa 503

<210> 18271
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-022-Q1-E1-D12

<400> 18271

tgcaacggnt ctcgcctggc ccgtaaaggt ccggaaagtc ccggggtnga cccacgantc 60

cgtacaagnt gcgaaaagac gacagaaggg ggacgaacat anaaacaaaa acatataatt 120

tgggttttta gagttcgaaa cttganatcn ttttttttg gttgctgagg aatcgaagta 180

gaagagtata aatgggtgtt agagagaaag atccgttanc ccagttgagt ttgccaccag 240

gttttagatt ttatccgaca gatnaagagc ttcttgttca gtatctatgt cggaaagttg 300

caggctatca tttctctctc caggtcatcg ganacatcga tctctacaag ttccatcctt 360

gggatttgcc aagtaaggct ttgtttgnga gagaaggaat ggtattcttt agcccaanag 420

atcggaaaat atccgaacgg gtcaagaccc aatagagnta cccngggtcg ggtattgggn 480

aaancaacgg gtactgacaa aaatt 505

<210> 18272
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-022-Q1-E1-E4

<400> 18272

gcgtccgtac ggctgcgaga agacgacaga agggggaagg tttcgtttcg tggggaagaa 60

gatgaagtcg cttgtggctc atttctcaac gcctttaatc accgctagat tagttcctag 120

atgtatcatc catcgagctt caatctccgc cgtctctttt tccaccgtcc gccgtcgatt 180

ttctcctctc accatggcct cagcagctca gtcttcttct caggctgtgt cttacgggag 240

tggcaacagt gatacagatg tttttaaatt gattcaagct cacgaggaga aggctgctcg 300

tctttcccca gtcgaagaaa tccgaactgt gcttaatggt agcatatgcg gtatgctttc 360

cacttttttct cagaagtatg aaggttatct ttcanggtca atggttgatt ttgcatgtga 420

tgctgatggt tctccgaatc ctggcagtta ataacttggc agttcataca aaaggatttc 480

<210> 18273
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-022-Q1-E1-F1

<400> 18273

cctgnaccta ccgctccgga antcccgang tcgacccacg cgtccgtacg gctgcaagaa 60

gacgacagaa gggtacggct gcgagaagac gacagaaggg tacggctgcg agaagacgac 120

agaagggtac ggctgcgaga agacgacaga agggtacggc tgcgagaaga cgacagaagg 180

gtacggctgc gagaagacga cagaagggta cggctgcnag aagacgacan aagggtacgg 240

ctgcgagaag acgacagaag ggtacngctg cgagaagacg acagaagggt acggctgcga 300

gaagacgaca gaagggtacg gctgcnagaa gaccacagaa nggtacggct gcgagaagac 360

gacagaaggg tacngctgcc aagaagacna cagaanggta cggctgcnag aagacnacag 420

aagggtaccg ctgccaagaa gacgacagaa ggg 453

<210> 18274
<211> 536
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-022-Q1-E1-F10

<400> 18274

gaactggttt cgcctgggcc ntacngtgnc cgggaaaatc gcggggancg acccacgcgt 60

ccgttacctg cgangaaaga cgacagaang gggaagaaan ntccttgtcc ttggatgant 120

gcnttcctcc tccaacatcg tcgtcaaatg ggaaacgaag aaatcctttg atctcccccc 180

ctcaatcgtc tctctctctg tcgccatctc cgccgtcgtc aatgggaaac gaagaagtcg 240

aagcccaccg tgtcgtactc tgaaaaatct gagaagtctc ttttcgtctt tgatcaaaag 300

ttgatcgtct ctcatctctt tgtctggtac atggattctt tgattggggt ttcttcctca 360

tgttagagtt cctcctangt cgagatnaaa accttcctan gtgctcttcg ctttcactgc 420

ccccaatctc ttccttctcc gcttgtgttc tgaaatcatc atcgaatggg gctgacataa 480

aaggatgttg ggaaaaagta attcaaccaa atcacgaant catcattcat cccgcg 536

<210> 18275
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-022-Q1-E1-F12

<400> 18275

catgcccaca ggtccggaac tcgcgggncg acgcaagcct cnntactgag tcgaaanaac 60

gacagaaggg tccggtcaaa tctcggtggt ctttctcttc atccaagaaa agtttcggaa 120

gcaaagatga aacctttttc gattcgcagc catggctaca atctgactcc gacgatgatt 180

tccacagcgt aaatggcgat ttcactccat cactcggaaa cactcctaag agcagcttct 240

cagataggcc accacgtttc cacaacctta tattccacga gaagaagcct tcccgaggct 300

cgtcttctcc agcgccactt ccaaggagga agaancttgg tgagctttc agagacagta 360

taagagaaga acgagaagaa agcggttcat cgtcagctat aagcactcct tatctatcan 420

gtgctaactc acgcgaattc aatgacaccg ccatccnaan aggaanagaa gaagaaattt 480

aactggcatc atcatcgttg tcctc 505

<210> 18276
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-022-Q1-E1-F2

<400> 18276

agaaggggaa cacaagcgat actgagctga agtttctctc agagctgata aagacaggag 60

ctatctgctc agttgatgaa ctgtttcttc actgcacagg ctacagcgac tgcaccggta 120

tcattaaaag cctcagaaac agtggcgtct ttgtccatca atggtgggaa gactaataag 180

cttaacaaat gaagctttat aaactaaaac tatgttgttt ggtaagttgg tgttgttttg 240

ttttccaatc cttgctcatg tatagagcaa agccacagaa gtttgctcca gcgacccagc 300

acttctgtgg ttctacctaa ataagctgtc gtcgttatga actttgtttt gtgtgtttgt 360

tcaatgaagt ttgctatgtt gtgtgtttct actggttttc atgctccgtt tcacaaaacg 420

cttatagtan caaagtagcc tgacgantta acaa 454

<210> 18277
<211> 525
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-022-Q1-E1-G3

<400> 18277

gaactgggtt tgcctgtgcc ctacngctcc ggaaatcccg angtcgaccc acgcgtccgc 60

ccacgcgtcc gtacggctgc gaggacgaca gaagggtacg gctgcgagaa gacgacagaa 120

gggtccactg ttgttaagtt gcagagcgcc atcaaattca acggcggagg tcatgtcaac 180

cattcgattt tctggaagaa ccttgctcct tccagtgaag gtggtggaga gccaccaaaa 240

ggatctcttg gtagtgccat tgacgctcac tttggctccc ttgaaggtct ggtgaaaaag 300

atgagtgctg agggtgctgc agtgcaaggc tcangatggg tgtggctcgg actagacaaa 360

gaactgaaga agctagttgt tgacacaact gccaatcagg attcattagt gacaaaagga 420

ngaagcttgg tacctctggt gggtatagat gtttgggaac acgcctacta cttgcagtac 480

aaaaatgtga ngcctganta tctgaagaat gtatggaaag tgatn 525

<210> 18278
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-022-Q1-E1-G7

<400> 18278

gcgtccgtac ggctgcgaga agacgacaga aggggaagag ggaagacaca gtcctctcac 60

aactcttcca cttctctctt tcctacaaat ttctcgttcc tcccgacctc tcctcgccgg 120

gaaattgtgt agcatttgtc tataaatggg tttggattct aaagaagctg atttggaggt 180

aataagaaga tgagaatcct gaagcaacac tgtgtgttac atgcgttttc agatttaacc 240

aaggtgtcnc nggtggggtc ctaaanccaa cccaagaatn gcaataacat ggnacctnaa 300

gggaacaaaa aaatttcaag ccttacngtt nccaagttca ancagttcca accaaataan 360

ctcaaccang aactggctac tttcnantaa taaatggccc actttaattc ccttaattgg 420

ggtanaaggg naaaggttta ntcanttagt tanatcaact ccttcgncgg ctt 473

<210> 18279
<211> 529
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-022-Q1-E1-H3

<400> 18279

aactggttgc ctgtgcctac cgctccggaa tcccgngtcg acccacgcgt ccgtacggct 60

gcgagaagac gacagaaggg cccgagcacg agacaccaac ggtcgcaaca gaggaatcac 120

cagcgacgac aacagaggtt acggatcgtg gattgtttga tttcttgggg aagaaggaat 180

aggaagtgaa acctcaagag acaacgacgc tcgagtctga gttcgatcat aaggctcaga 240

tctttgaacc ggagttagct gcggagcacg angaagtgaa ggagaacaag attactctgc 300

tagaggagct tcaagaaaag accgaggaag atgaggagaa caagcctagt gtcatcgaaa 360

agcttcaccg atncaacagc tcttcttcct cttcgagcnn nnnnnnnnnn nnnnnnnnnn 420

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 480

nnnnnnnnnn nnactcccan gacaccacga caagacagca agaggatga 529

<210> 18280
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-022-Q1-E1-H4

<400> 18280

gcctccgtac ggcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggta 60

cggctgcgag aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg 120

cgagaagacg acagaanggt acggctgcga taagacgaca gaanggtacg gctgcgagaa 180

gacgacagaa nggggactcn tgtttgttta ntgaagcgat caagtgagcg agatcagtca 240

aatagctttt tcattgttcc tcagatcgan gannaanaag aagagcttag caacaattgg 300

cggcgaaacc gattgcnagt ccgattccgg tggcgctgta ccgacttatc gtgtcacctt 360

cnattgtctc tcatancgct atctctcatc atgaactaca tcatcaagna aaa 413

<210> 18281
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-020-Q1-E1-B2

<400> 18281

acagaggagt ctgagaaaat ggatgaagat agccgactga ttgaagaact ccgccagact 60

aatgaatatc aaaggtctca gatatcacac ttggagaaaa gtcttaagca ggccatctcg 120

aatcaggagg ataacagatt gagcaatgac aaccaaatcc gaaaattaaa ggacacagtt 180

gatgacctaa atcaaaaact tacaaattgt ttgagaacaa tcgagtccaa gagtgttgaa 240

cttttaaatc ttcaaactgc tctaggccag tattacgctg aaatcgaagc taaggagcat 300

tttgaacgaa gagcttgcga tggctaaaag acgaattgat gaagctttct gctcgtttga 360

aaagattctg atnagccgtt agagtcatca aataaagaan aggaagatgt cacatccaaa 420

attattgcat gc 432

<210> 18282
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-020-Q1-E1-C12

<400> 18282

attcgtggaa ttgtctttca gaaagaaaaa aacttggaag cagcagagaa tcacactgaa 60

gctgaacaaa ctgaagattt tgatccacag attttcttaa gaaatcaacc agaattagct 120

gatgtggtat tcaattattt cccggatatg cagcagccta gggactctcc gaaaaggaag 180

gcggtaaccc ttgttcttga tttggatgaa actctggtcc attcgactct ggaagtctgt 240

agagatacag acttttcctt cagagtcact ttcaatatgc aagagaacac tgtttacgtg 300

aaacaaagac catacctta taggttctta agagagggtg gttgaacttt ttcatgttgt 360

catcttcacg gctagtcaca gcatctatgc gtctcagctt ctagatatat tggattcaga 420

tnggaagttt 430

<210> 18283
<211> 379
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-020-Q1-E1-C7

<400> 18283

gagagtaatg aagagtgaag tgttatattg ttctctcgtc cacttccact ctctctttta 60

actcttactt acttcctcgt aaagatcatt acatataatn aataatatat ttatgtttgt 120

gttatattta ataacagtaa aaagttttaa aacgttgaac aaattagccg acataganta 180

caaaagaggg ttagcatcng ggggagaaac gtggaccaac atgatacacc ctccaaaata 240

tccccaagtt tgaacatnga catgttcgct ttttctttcc gtggtaactt ttttttcngt 300

gggtcacatt atttanaatt gtanncaagc agctatttta catggagatt cctgtcggta 360

taccgcctca ttnctcaac 379

<210> 18284
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-020-Q1-E1-A4

<400> 18284

ggttgcctgt tcctacngcc ccggaantcc cgnntcgacc cacgcgtccg cccacncgtc 60

cgcccacgcg tccgtacggc tgcgagaaga cgacagtagg gggatggaga aaattatgga 120

gtatctgcaa ttgagcgatg aggtggttga cgacggtgag gcaccgcgag ttgaagaatt 180

tttaggtgaa gggaaaagct tctacgagaa ttttagtctc agaggaatcc gagtcaaccg 240

agtcgaaccg ggtttcattt cctgctcttt caaggttcct cttcgtttga cggacagaga 300

caagaattta gcaaatggtg cgactgcaaa tcttgtggat gaagttggtg gagcacttgt 360

acatggcgaa ggcttaccta tgagtgtttc agtggacatg tctattgcat tcctttcaaa 420

agctaagctt ggtgangagt tggagataac gtccanattg ttangagaga naggaggtta 480

taaaggaaca atccgttgta tcaa 504

<210> 18285
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-020-Q1-E1-D1

<400> 18285

tggtttgcct gttccctacg gccccggaaa atcccgantc gacccacgcg tccgcccaca 60

cgtccgccca cgcgtccgta cggctgcgag aagaacagaa gggtacggct gcgagaagac 120

gacagaaggg tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga 180

agggtacggc tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggga 240

atctactgag ggttctatct atattaatcc ttctctgctt ccttcaatct aattgcaaat 300

caaatggatc gtcttaagct ttatttctcc gttttcgttt tgtctttctt tatcgtctcg 360

gtttcgtcgt ctgatgtcaa cgacggcgat gatctcgtga ttcgtcangt ggttggtgga 420

gccgaacccc aagtttttga cctcaganga tcacttttct ctccttcaag cgggaanttc 480

nggaaagtct acgccttcca acgaggag 508

<210> 18286
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-020-Q1-E1-D10

<400> 18286

cggttgcctg gcctaccgga ncggaatccg ggtcgaccca cgcgtccgta cggctgcgag 60

aagacgacag aaggggggag ccgaagtgtt gttttcttat agaaggattt tgatttcttc 120

tgcaaaattc gaccgatagt gacgagaaag atcctaagat ggcgaccgca agcgagagtt 180

cttcatctaa gagatggctt ccacttgaat ctaacccaga tgttatgaat cagtatctct 240

ggggacttgg tcttgcccct gatgaagcag agtgcaatga tgtgtatggg ttagacgatg 300

aacttctaga gatggttcca aagcctgttc ttgctgttct cttcctttac ccaatcacca 360

aaaagagtga agaagagaga atcgaagcaa agacaaggaa attaaggaaa aggtgcatag 420

cgataaagtt tactttatga aacaaactgt tggtaatgcc ttgtggaacc attggtcctc 480

ctcaagctat tggggaaata tac 503

<210> 18287
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-020-Q1-E1-D9

<400> 18287

gcgtccgtac ggctgcgaga agangcanaa gggtacagat gaatgttcaa naagaactaa 60

attgtgtcaa tngaaaactc aacattgcna ttaccaggaa tttccaancc gtatggggat 120

cctaanattc ttgcanaatt tatcgctgga caattanaaa atcgcgtttc ttttcgaaaa 180

ncaatgacan aagctattga attaactgan caggcgaata cacanggaat tcaagtacaa 240

attgcaggac gtatcgacgg aaaagaaatt gcacgtgttg aatggatcat agaaggcagn 300

gttcctttac aaacaattga agctaanatt gattattgtt cctatacagt tcgaactatt 360

tatggggttt tacgaataaa natttggata ttcgtagacg aagaataana aaacttcctt 420

aaccttaanc tttatccgac gattanacca 450

<210> 18288
<211> 498
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-020-Q1-E1-E2

<400> 18288

ctaccgcccc ggaaatcccg natcgaccca cgcgtccgct gcgaagaaga cnacagaagg 60

gtacggctgc gagaagacga cagaagggta cggctgcgag aagacgacag aagggtacgg 120

ctgcgagaag acgacagaag ggatganctg tggtanaang gccaancccc atgtttcatt 180

gcttgtacta cactcntcga agggtttagg aaatcaggaa gaacagagaa agcgtcaggg 240

tttatggaga agatgatgaa tgcaggaatt cttcccgata gtgtgacatt taacttgctt 300

cttcgggatc tctgcagttc tgatcattct actgatgcaa acanattgat acttttggca 360

tcaagcaaag gatatgaacc cngatgagac aacgtaccat gttttggttt cngtgttcac 420

gatagaangn anaccaaang agangagaaa ttctagtgaa cgagatnttg gntaaanata 480

tgttgcctga tatcctta 498

<210> 18289
<211> 426
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-020-Q1-E1-F10

<400> 18289

acagaagggg gatgcgatca taccagcact aatgcaccgg atcccatcag aactccgcag 60

ttaagcgtgc ttgggacctc agactgagaa tcgcccaaga tgcagctcgc ggattaacat 120

acctgcatga agaaatggag tttcagatga tattccgcga tttcaagtcc tcgaacattc 180

ttttggatga ggactggaaa gcaaagctct cagatttcgg tttggctcgt ttaggtccat 240

ctgaaggatt aacccatgtt tctactgatg ttgtaggtac aatgggttat gcagcacctg 300

aatacattca aaccggccgt ctcacatcga aaagcgatgt gtggggttat ggagtcttcc 360

tctatgagct tatcactggg angcgaccgg tgggacagaa acagacccaa gggagagcag 420

aatcct 426

<210> 18290
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-020-Q1-E1-F11

<400> 18290

gcccacgcgt ccgtacggct gcgagaagac gacagaaggg gattcaggac atggctaacc 60

gaacagacaa ctcgaatcgc tgttcgaatg gtaaaaagcc aaatgatgga atgagactca 120

ttatagcgac attcgtagga atagttgtcg gtttcttctt ggggatatct ttccctacac 180

tatcactaac aaaactaaat tttccctctg gcattcttcc ctctgttgat attacttacg 240

tagaagatga gacaccagaa acatcgagtg aaacgctttt gcatacatgg tcatctaggg 300

gtccgttaca tggggctaat tcaagtgatg caccgcattg gaaagatttg ggttccatcg 360

aatccccgan gtgcagagat gctgactcct ggtatcattg cacctgaatc angttactac 420

ttacgcag 428

<210> 18291
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-020-Q1-E1-F12

<400> 18291

gcgtccgtac gagctgcgag aagagacaga aggggagagc aaccaaaatg caactccaaa 60

cccaatcctt cgctctcaat cttctgccat ctccaaattt cgccaaaccc atcgagagac 120

gtgaattcat ctctctaaaa cgagacccat ctcgtccaat ttcactccga tgttccgttt 180

ccacgacttt ggatactccg gcgaccgctt cgacccacaa gccctttccg gcggaggttt 240

caaggagtat catggagctt tcatctgttg gaactctctc cactttgacc cacgacggtt 300

ggcctctcgg cgtaggagtt cgcttcgccg ttgacaaaga tggcactcct gttctttgcc 360

tcaatcgctc tgtctctcct gacaagaggt ctgctcttca tgttcagtta gaacaatgtg 420

gattgangac tcctcagtgt acgatacaag gtancattgg t 461

<210> 18292
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-020-Q1-E1-F5

<400> 18292

agaaggggaa gcaagagagt attttgggga agctcttctt catggagctt gaattctcac 60

tctgctactg ctaaatcgat gttagatagt gcccatcgcc agtattctac tcactctcca 120

tcggaaacca aatcacagaa aatgctctat tacctcaccg ctgttgtctt tggtatggtg 180

gggttaactt acgctgctgt gccattgtat agaacattct gccaagctac tggatatgga 240

ggtactgttc aacgcaaaga gactgttgag gagaagattg ctaggcattc agaatctggt 300

accgtcactg aaagggagat tgtggtgcag ttcaatgctg atgttgcaga tgggatgcag 360

tggaagttca ctccaacaca aagagaggtt agagtaaaag ccagggagaa agtgcactcg 420

cattttacac 430

<210> 18293
<211> 486
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-020-Q1-E1-F8

<400> 18293

cggattacnc gggtcggccc acgcgtccgg ctgnaagaag acgacagaag ggtacggctg 60

cgagaagacg acagaagggt acggctgcga gaagacgaca gaagggaaga ctatggatca 120

gcccgtcacc gcttacccgc ccggacacgg tgcaccgtct gcataccctg ctcctcccgc 180

gggtccttct tccggatatc caccacaagg acatgacggt aagcacgatg gtgtttatgg 240

atacccgcag catgctggat atccagctgg naccggtggt tatccgccac ctggtgcata 300

cccacaacag ggaggttacc ctgtgatatc cgcctcagca ncagggtgga tanccgggtt 360

atccgccaca gggtccatat ggttacccgt ancanngttt atccaccaca tggtccatac 420

tgttaccccg cnanacgcat agctcatggt aaaccgcana aaccgaacaa tcatggtaat 480

ngctgg 486

<210> 18294
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-020-Q1-E1-F9

<400> 18294

gcgtccgtac ggctgcgaga agacgacaga agggggaaac agaacataga acgaaagaaa 60

gaatggcttc tgtaccatgt tccttcaagc tctctgctca tcgtagatct tcttccaagc 120

ttgatggaaa caacaaacag tgtagtagtt tagtagaaag actgagagat aaaacgaaga 180

gtcaagttcc taagtccatt acttgcatta accgcttaga gatatcgcgt atagcaccat 240

tacacgcaac gatgaatagc ccgaaaggat ttggacctcc tcctaagaaa accaagaagt 300

cgaaaaagcc aaaacccgga aaccaaagnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnccaacaga 420

atgataagca agaatgggat ttacagtggg gttaccactc ct 462

<210> 18295
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-020-Q1-E1-G11

<400> 18295

gcgtccgtac ggccgcgaga agacgacaga aggggatgtt tggaacttct tgaggactat 60

ggatgttccg gttaacacat tgcatgcggc agggtatata tcgattggat gtgagccttg 120

cacgaaagcg gttttaccgg gtcagcacga gagagaaggg agatggtggt gggaagatgc 180

taaagccaag gaatgtggac ttcacaaagg gaatgtcaaa gaaaactccg atgatgctaa 240

agtgaatggg gaatcgaaat ccgctgttgc agatatcttt aagagtgaga atcttgtgac 300

tttgagcagg caggggattg agaatttgat gaagttggag aaccgtaaag agccttggat 360

cgtcgtgctt taagctccgt gggtgcccct tttgtcaaac catggaaaca tcgtatgaan 420

aactggcnga taaattggct ggnaattgga ttaagggtg 459

<210> 18296
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-019-Q1-E1-F12

<400> 18296

ctttgcccag gcnctacgga acggnctatc cggntcgacc cacgcgtcng cgaaaagacg 60

acagaagggt acngctgcga gaagacgaca gaagggtacg gctgcgagaa gacgacagaa 120

gggggattga aagatgtcaa ggcttcttca gattctgttg ctttaactgc aaatttcatt 180

tttgtggcgc gtgattctaa gactggtaaa gctgctccta tcaaccgtct ttctcctgaa 240

accgaggttg agaaacttct ctttgaggaa gttgaagcta ggaataactt aaggaagaag 300

aagagaggag gtgacagaag ggaatttgat cacggggagt gtaagaagct tgaggcttgg 360

ttggctgaag gaangatttt ctctgacatg ccagctcttg ctgacagaaa cagcattctt 420

cctaaagaca ctcgtccctg agaattcgct gatatgccaa ccgcaacaaa aggaacatcc 480

aaggtaagat ttttggangg gtttttaa 508

<210> 18297
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-019-Q1-E1-F3

<400> 18297

gggtngcccc ccgcgtccgc ccaanaatcc gtacggctgc gaganaacga cagaagggaa 60

aacaaaaaat ggctacccga aaagctctga tcaacgttca ccggatcatt cgctccaccg 120

ccgtggttgg ccggagctct atcattcctg ccgccgctaa ccggtcatat cctattatat 180

tccggaatgg agttgatttg ggggcgagat tcttccgtga gaacactgcg tctgcccaga 240

atttcgatat tgatctctct aacgaagaga ataagagaag aacgatnaac agattgttgt 300

atangagcaa tcaaanaagg gttttgggaa cttgatcntg ttttggggaa atgggttgag 360

gagaatgtta attccatggg cgaaaatngt gttaaatccc taaatcaagt ccncaatttg 420

ggaaaacctg gnttccggga aatgggtaac tgaacaggng caacc 465

<210> 18298
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-019-Q1-E1-F10

<400> 18298

gttncttgcc agcctacgga aggtattccg ggtcgcccac gcgtccgtac anctgcgaga 60

agacgacaga aggggataat tcgaaccctt caagattttc ttctctctat ctctctgttt 120

ctctctgttt ctgagatggg tttgtttgga acgaagaaga tcgggaagta tgagatagga 180

agaacaatcg gagaagggaa tttcgcaaaa gtgaaacttg gttacgacac gaccaatggt 240

acttacgtag ctgtcaaaat catagacaag gctttggtta ttcaaaaggg tcttgagtct 300

caagtcaaga gagagatacg aacgatgaag cttcttaacc atcccaacat cgtccaaata 360

cacgaagtga ttggaaccaa gacaaagatc tgtatagtta tggaatacgt ttcaagtggt 420

cagctttcaa acagacttgg aagacaagaa aatgaaagaa tcagatgcta gaaaactttt 480

ccaacaattg antgatgcgt tga 503

<210> 18299
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-019-Q1-E1-F4

<400> 18299

ggagnagacg ggtggccgcc gcgtccgtnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnct tgttgtagca gttgaagcag aaaataaaca 120

gagtaacgaa tccaacatca caaaacanna cacaaactaa aaaatggctc tgaatagtgt 180

ctcctctgaa gaatttacct tcccatcgct agcttctcat gattcttctc accattccgg 240

tcttgattca cctcctttgt ggaaacactc accggttact tcctttcgcc ggaaagatta 300

cgactttggt ttggcaagat tagtcattgg aaaagacggt gatcatgatc agaggaagag 360

cttctcgtac gtggagatga gaagtcgttg gatcacgaca aagaananga gaaaatggnt 420

aagnttatgg gaaaattcaa cgaannaatt gctccaagaa gtcaganttt gggaaattgt 480

catggng 487

<210> 18300
<211> 246
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-019-Q1-E1-G10

<400> 18300

cagncctacg gaacgcacat cccggntcga cccacgcgtc ngcccaancg tccgtacggc 60

tgcgagaaga cgacagaagg ggattctgat gttgtcataa cttgtgttag gatttctctt 120

tcgttttatt aagctttaat tatcattctc cgttgtaaag taatcttatg aatctgtctt 180

cgaatcaaaa gttctggttg ttaatggctc nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

gcggcc 246

<210> 18301
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-019-Q1-E1-G12

<400> 18301

gtcttgtcng cccaggccct nnnnaaaann atatcgggcc tngacccacg cgtcngccca 60

ancgtccgta cggtgcgana agacgacaga aggggcacta gaaaaatgga caaaagatta 120

tggagtcttc aaggtatgac tgctcttgtg accggtgcag ccagcggaat cggttatgcc 180

atagtagaag agttagctgg ttttggagct aaaatccaca tatgtgacat atccaaaact 240

ttgctcaatc aaagtttaag cgaatgggaa aataaagggt ttcaagtgag tggttcagta 300

tgtgatgtaa cctctcatcc tgagagagaa aaactgatgc aaaccgtctc ctcgattttc 360

gatggcaaac tcaacattct tgtaaataac gtgggggtac ttcgcggaaa gccaacaaca 420

gaatatgtgg cagacgattt cacttttcat atatcaacta acttggaagc tgcntaacac 480

tttgtcaact ttcaatcctc cccttaaagg g 511

<210> 18302
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-019-Q1-E1-G4

<400> 18302

aactctaaac cacactgaga tggcgaaatg gtggcgaggc ctgagatccg tgacggcgga 60

ggtggctgat cttccggctt cttcattcgg tcgatcgatt cgatgtattc atcagtatca 120

gacgatccag gcgattccac gtgaagctac gggtcgagga gtatcggctc gggatcggac 180

gattggtcgt attcccgccg tcgttttccc gcaatcgctt ctagatactg atgcttcgaa 240

gcgaggcgtg tcgaggaagc agctattgac ggcggataag aagcagatca agtctattat 300

tgactctgtt ggtctcccat tcttctgttc taccactttc cagcttcaga tccgagctgg 360

tcanggttcg tcgacgcttg ttgaatccgg tcnagtactt ccctcaaggg tcatanagac 420

a 421

<210> 18303
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-019-Q1-E1-G7

<400> 18303

ccggtntctc tttcccgggc ngccccacgc gtccataaag ctgcgagaag acgacannag 60

ggggaggttt gtttgtgaan cgtgtgaagg aaatgatttc aatggaggag aaggacacat 120

acggcaaaag aaagactgtt cctctgattc cggctaacta catcagcatc cttcagctcc 180

aggagcgttg gctcaatgag aaagannnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnna gcggaggagg 300

agaagcgtat gaatcgaagt aatcggaagc attttgggag aaaaaaggaa tctatagacg 360

gcggagaagc acgattcgtt gagaaggaga aaccggaagt cacggtggcg atnganagcg 420

gtggaggtga anatgcngcg gatggattac cgaananaag aagaagaana ttaaggaacc 480

ttggaggaac nat 493

<210> 18304
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-019-Q1-E1-H1

<400> 18304

antcccggtc cgagntatcg ggtggcccac gcgtccggca anaagacgac agaaggggga 60

gaaaggcaat ggagtcggct aaatcaatca tcggtggcca ccaaaatgtc atcctgatgc 120

gtcatggtga tcgactcgac aatttcgagc cactctggac ttcaacagct gcgagaccgt 180

gggatccacc gcttgctcaa gacggtaagg atcgggcctt tagaactggt cagagaatcc 240

ggtctcaact tggggttccg attcaccgtg tcttcgtctc ccctttcctc cgctgcatcc 300

agaccgcttc cgaagtcgtt gccgccctct cagccgtcga tttcgatccc attgctatgt 360

catctaaaga cgtgctttcc atcgacaata ctaaagatna aagtgggcta ttgaantttg 420

gattgtccga nataacgcaa ccaatcctta ataanaatnn aatttccccc aaagatnggn 480

aaatttgntt ccaagattta 500

<210> 18305
<211> 520
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-019-Q1-E1-H10

<400> 18305

gaactggtct gctcgccctg gntctaccgg aaccggatat cnggcccggg cccnnnnnta 60

aatnaaaatg cgagaagacn acantagggg atctctcttt gttcgctttg tggggaacga 120

actatggccg agagatggag gaacacggct ctactcgtca tcgacatgca gaacgatttc 180

atagaggaag gtgctgtgac gcaagtgaaa ggaggaaaat ctatagttcc taatgttatc 240

agagtcgtcg aactcgcgag gcagcgtggt attctcgtaa tttgggttgt tcgaagaaca 300

tgatcgtcaa ggaagagatg ttgaattatt caggcgccat aactacagtt ctgagaaagt 360

cgggccagtt attaaaggca ccgtnaggag cagaattggt tgatggattg atgatnaacg 420

aagaanatga ctataagatt gtgaaaactc gtttcaatgc nttcnttaat accaatcttc 480

atcccttcnt gcaaacttca aggggttacc aaatttatga 520

<210> 18306
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-019-Q1-E1-H2

<400> 18306

gttttgcttt ctcgaaatca tgatggtttg tcctggaaat gtttggattc ttcagattgt 60

gagggaacaa cttgtttggg aattataatt tgcgagaatt ccgaaactga gatcagattc 120

tctgatattt atgctgtgga gtttgttagc tatggcttgg tgcatagtcc aaagttagga 180

cttagacatg ccaaagaatg tttccgggaa cgcttgttaa atactcaaga gatgtatcgg 240

ttcactgtcc acggatttca aagttcacca aaagagcctt gtctttgaaa ccttgctgca 300

ttcacttttg gacatatgga tttgcagacg tnccaaaatt ggtggatnaa tttaattacc 360

cttgatnaaa gaggtnnaaa gncaanaaat cnttggaatt gtcaaccaaa antggaaagg 420

<210> 18307
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-019-Q1-E1-H3

<400> 18307

cccgcgtccg ccnaagagtc cgcccacgcg tcngtacggc tgcgagaaga cgacagaang 60

gggagtacga tagtcagcca cgcgtacggt tcatgtgtac ttttgggagg aaggatcttg 120

ccacgtccgc cgggataatc agctctgtta cgtcggcggc gataatcgca tggtcgctgt 180

tcatcgtcac actactttcg cccctctcct tagtaaactt gctaagctct ccggtaaaag 240

caacataagc gtgaagtacc agctaccaaa cgaagatctt gacgcgttga tttccgtatc 300

aacggacgaa gatgtagaag aacatgatgg acgaatacga ccgcgtcgca caagaatcaa 360

aaccangcgc ctctcctcct ccgccttttc cccttnacaa aaaacntcnc cggggaaana 420

agttaccaat nntcaancta caatntcaag tctctcccc 459

<210> 18308
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-019-Q1-E1-H8

<400> 18308

ccggccggcc cangcgtcca tgaagctgcg agagacnncn gaaggggatt tctgaaatta 60

agtgaatctg aaggtgaaag caaagccgga ggaagaaata agaatcacag aggtaaaatt 120

gtgatggagc tcgaagatcc aacaatggca gattccacga ttaagctaac agtcaaattc 180

ggaggcaaat caataccact ttcggtatca ccaagattgt acagtcaaag atcttaagtc 240

tcagttacaa ccaatcanca acgttcttcc tcgtgggcag aagctcatct tcaaaaggtt 300

ttgggttgaa acgtcgactt tgaaacaatc tgatgttggg aagtggagct aaacccaagg 360

ttaatggctt ctcaaggtct gcatcaaggg ggaaggtcca atacttaagg aanct 415

<210> 18309
<211> 440
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-019-Q1-E1-H9

<400> 18309

ttttttttt tttggagtta gaatgctatg aattccaaac cagagaanat tcaaataaaa 60

cagagactaa aaaggctgtt caaacagtaa taattcttgc acatgaacac taaaccagaa 120

cgatnacagg aaacaaagat acagtcagta ctcagtagtt tgagggcacc tacggaaagc 180

aagtaatact acagagggta gacgttccag tgcttaatga tgaaacatca tcagtacaag 240

caaacgtgtt tttcatcata caccgtatca ctttcacaan tggctgcant cattccgcan 300

cataagggag atttgacttc gagaaanaag catcaacttt gcgcaaaang ancccgggct 360

accaagaaat gggggaactc tcaatgcnac gccnttcang ngacatctcc ttataaangn 420

gaaggcnttt gcaaagcaag 440

<210> 18310
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-020-Q1-E1-A1

<400> 18310

gaaggggagg acaagaagaa ttcaattttc attgtcagtg gaagagggag ggaaagttta 60

agcaggtggt tcactccgtg caaaaaaatt ggaattgcgg cagagcatgg atacttctta 120

aagtggtcag gcagtgaaga atgggagaca tgtgggcaga gctctgattt tgggtggatg 180

cagatcgtgg aacctgtaat gaagcagtac actgaatcga ctgatggctc ttccattgaa 240

atcaaagaga gcgctttggt ttggcaatat cgggatgcgg atccaaggct ttggttcttt 300

acaagcgaaa ggaaatgcta gagcaattta gagaagtgtt cctagcctaa ttgagccagt 360

ggcaagtcaa aaagccggtc actacatagt agaaagtcaa gccccaaggg agtgagcaaa 420

aggattcgnt 430

<210> 18311
<211> 482
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-019-Q1-E1-A8

<400> 18311

ttcccgggcn gccccacgcg tccataaaag ctgcgagaag acgacannag ggggcaccca 60

acgacaaagg gaacacgtaa aaggaactac aggatacctt cgaaagccga aggaaaccgt 120

ttgcttaaaa ccattgcgtc tcttctctca gatgatgatc attttagana tgcaacatct 180

cacaagggtt gtcaaatacg gaggganagt gcgcacggtc aaagcgtatg ttgcaacaat 240

gtgagagctc tgtttgatga gttaccgacg ccacatttgg tggtggagat cacacctttt 300

ccagccggac cgctcacaga gaatgattac cttaaggctg agaagctgga gangattctt 360

aggtctggcg ccaacatttg aaccctcttg gcagtgtttt actatgtgtc aaaatctana 420

acctgttcat actctacgat gtcttaggat gcagaatgtt caaatgttta aacnctagga 480

ac 482

<210> 18312
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-019-Q1-E1-B2

<400> 18312

tcgggtggcc ncacgcgtcc gccnaangca tccgcccacg cgtcnggaga agacgacaga 60

agggggaaat tgtttcactt ctgaaaaaaa aaaaaaaaaa ttgtttgctc atcatcttca 120

caaaccaaac ttctcttctt ctccgatctc agatttgaat ttttatcgat tttgagcttc 180

gaagagctca atctctaact gaatttcgag aaattagaga gtttgaaatg ggagaggaag 240

tacaaatgag cgattacgat gtttccggcg acggagatag ggtttctgaa tgggagatgg 300

gattaccaag cgacgaagat ctagcatctc tttcttactc tctgattcca ccgaatttgg 360

cgatggcgtt tagtatcaca ccggagagaa actgtacgat tcaaggatgt taatcctgca 420

tcgggngaac aaagctctcg tcgctaantt ggggggtttt caaggnccaa ataactcc 478

<210> 18313
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-019-Q1-E1-B3

<400> 18313

cggtccggaa tcattcgggt ngccgcncgc gtccgtaaag cancgagaag acgacagnag 60

gggtagagaa tggtgacact cgtgaagctt gtagatgcat cagggagtta ggtgtctcgt 120

ttttccatca cgagatcgtg aagagtggtt tggttctagt gatggagtcc cgaacatccg 180

agccgctgat actaaaattg ttgaaagaag ctacagaaga aggtctcatt agttcgagtc 240

aaatggcgaa agggttctcc cgagtagcag atagtcttga tgatctttct cttgacatcc 300

catctgctaa aactctgttt gagtcaatag ttcccaaggc tataatagga ggttggctcg 360

acgaagattc gtttaaagaa cgctctgatn aaaatggggg caacgaaaat ctaaagnggt 420

tnaanaangg tncanagacc ataantcaaa gaatattccc ttctgatgat atcccnagct 480

aatccgc 487

<210> 18314
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-019-Q1-E1-A7

<400> 18314

gaaacagagt ttccctgagc tacatttaac gaaagaagat tgtatggtca agaaatggat 60

cgaatctagt gttttctggg cgaattatcc agaaaaagca ccgatagagt tacttcttaa 120

aagagtatca accaacgaat actactggaa acgtacttca gattttgttc aagcaccaat 180

ctcaaaacag ggtcttgcaa agatttttca agcaatgatt gatcattcgc cacttccacg 240

acgagtttgg atgcaatgga atccatgggg agggaaaatg gctgagatag cgtctgatgc 300

gacggcgttt gtgcatagag gtggtaatgt tttcatgatt gagcatttca tgaattggta 360

tagacctgga gatgagcttg aagagaantc ctggngaatg caanaaattt taaagaaact 420

atgg 424

<210> 18315
<211> 528
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-019-Q1-E1-C4

<400> 18315

ntggnagtgt cctctaggan ggtccgggtc cggnggnnac gggtggnccg gccgcgtccg 60

taaaagcanc gagaagacga cagaaggggg atttgagaaa aagaagagat gacgacgata 120

cgtagattca agctgcaatg accttctccg attcacttcc gtgaatctgg accacctcac 180

tgnaacattc aatatgtcct tctacatgac ctatttagcg agatggcctg actattttca 240

tgttgctgaa ggtcccggca atcgtgtcat gggttatatt atgggtaaag ttgaaggaca 300

gggtgaatct tggcatggtc atgtgacagc cgtcactgtc tctccagaat accgcaggca 360

gcaacttgca aagaaactga tgaaccttct ggaagatata agtgataaga ttgataaaag 420

cctactttgt gggatctttt gtaagaacnt tcaacacacc aaccatcaag attntgaaaa 480

agccttgggt acatnattta aaaggcnggn ttttacgcca attaatca 528

<210> 18316
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-019-Q1-E1-D10

<400> 18316

cgccaggtct accggnacgg ngntccggnt ngacccacgc gtcngtacaa ctgcgagaag 60

acgacagnag ggggcgtcgt cttcaacgat gctctcaacg gtgacggcga cggcggtttc 120

tcgaccgatt ctgaaggtgg aatgtacaat caaaaggacg tttaaagtga cggcggagaa 180

gtttccgacg tttctgccga ccgatgtcga gaaaattaaa gacacgtttg ctctaaagct 240

cgccgccaga atagagaggc ttcctgtatc tgtgagcttc agggaagata gtattatgag 300

cagttgcgtg acaccgctga tgcggaacga gacaactcct gttgtgcttt ttcacggatt 360

tgatagttct tgtttagagt ggagatacac ttatccgttg cttgaagaaa ccggtttaaa 420

aacatgggca tttgatatcc ttggttgggg tttttctgat ttanacaaac tttcac 476

<210> 18317
<211> 409
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-019-Q1-E1-D11

<400> 18317

tttgtgttct tcttcctcct cagattctct ttcactaaac agaaacaaag atggttttga 60

caaaaaccgc aacgaatgat gaatctgtct gcaccatgtt cggatctcgc tatgttcgca 120

ctacacttcc caagtatgag attggtgaga actcgatacc gaaagacgct gcgtatcaga 180

tcataaaaga tgagctgatg cttgatggta acctaaggct taacctagct tcttttgtga 240

ctacatggat ggaaccagag tgtgacaaac tcatcatgga ctctatcaat aagaactacg 300

ttgatatgga tgagtaacct gtcacaactg anctccaaaa acnatgtgtt aaaattntaa 360

cncnaangtt naangngccn aaccaaggaa ccctnaaagg ggttggaat 409

<210> 18318
<211> 478
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-019-Q1-E1-D3

<400> 18318

tccgagcana cgggtggccg cccgcgtccg taaagaagcg agaagacgac agnaggggggg 60

ttcagagaag atcgtttact ctttcctcaa tttcgaacaa agttttcgaa ttttccaact 120

ctctctagtg aatttagggt tctgatttcg acattagtgt aaagatttgt tttttatccg 180

aggggtgcga ttgtgtagtc aaaccangat naaatgtcgg catcaacggt gtcgatcacc 240

gctaatacgg cggcagcgac tagacggacg ccgattcttg ccggagagaa aaaatcaaac 300

tttganttac cctcaaagcg aatcgcttgc gaacggtggt gttggggaaa ccggtggtac 360

gagtagaaga tntgaagccg cggtgaaacc taccttgat tcatttcang ggacaagaat 420

ttgggtcccg gtgacaanaa aggcctgttt ccgctgcgac gggggactaa ttncaacc 478

<210> 18319
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-019-Q1-E1-D4

<400> 18319

agggaaagat aatcgtttgt ctgtgcagag agagagagag aaaatgaggt tgttcgatcc 60

atggccagtg ttcttcaaga gagaatggaa acgttgctgg ccattcctca ccggtttcgc 120

cgtcaccggc gttctcatca ccaagctaac cgccggactc actgaggaag atgctaagaa 180

ctccaagttc gtccagcaac acagaaggtg attcactgaa gcaaaatgta gaagctgaca 240

aggcatatag atttgggact atagtgaatg cttcagcttt gaaacatgtt caataacaaa 300

gaagatcatt ctatatactc ttttattttc tctgagtttc gaaatcagct tttccttttc 360

tgaaacttaa caatggnatg gttttgttca cagtatccta atcccanttg ttgggaatgg 420

gttttanggc c 431

<210> 18320
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-019-Q1-E1-D7

<400> 18320

tgagaaaaaa cacagagaaa gagagagaaa caatggaaac ggaaggaaga agacgagaag 60

tggttgtttc atctctccaa ttcgcttgct ccgacgatat ctccaccaat gtcgccgccg 120

ctgagcgatt agtcagagaa gctcacgcta aaggagctaa tatcattctt attcaggaat 180

tttttgaagg atattacttc tgtcaagcac aaagagaaga cttctttaag cgagccaagc 240

cttacaagaa ccgtcctacc attgcaagga tgcagaagct ggcaaaggaa ttgggtgtag 300

tgatacctgt tagtttcttt gaggaggcaa atactgcaca ttacaattcg attgctataa 360

ttgatgctga tggaactgac ttgggaattt ataggaagtc catattcctg atggacctgg 420

ttat 424

<210> 18321
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-019-Q1-E1-D9

<400> 18321

tctcactttg ttcatctaaa aactcctcct ttcatttcca aacaaaaact tctttttatt 60

ctcacatctt aaagatctct ctcatggcga tgtctttctc aggagctgtt ctcactggta 120

tggcttcttc tttccacagc ggagccaagc agagcagctt cggcgctgtc agagtcggcc 180

agaaaactca gttcgtcgtc gtttctcaac gcaagaagtc gttgatctac gccgctaaag 240

gtgacggcaa catcctcgat gacctcaacg aggccacaaa gaaagcttca gatttcgtga 300

cggataaaac aaaagaggca ttancagatg gtgagaaagc gaaagactac gttgttnaaa 360

aaaacantna aaccgcanat acattgggta aagaaactgn gaa 403

<210> 18322
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-019-Q1-E1-E10

<400> 18322

nacggtccgg tcttccgggt cgncccacgc gtccgcccaa acgtccgtac ggctgcgatg 60

aacgacagaa gggggtggta ttcaacaaat ttgtctcgaa tttatagagc tcgaagcttc 120

aaggaagtta taatggctag tgaagatgaa tcgattgaac aaaaagctgc tgctcgtaaa 180

gaggcactta aagctctaag ggcagctcag gaactgtctg agaccaagga agacggagag 240

gatgaagctg tcgaagaaga tggtccagcc atgaagttta gaaactatgt tccccaagct 300

aaggagcttc aggatggtaa actagcgcca ccaaaagcta cccaaattcn aagattcgat 360

ngttgcactt ncaactgccg tntaaaaaaa aganggnccc ttttttttaca tcgctcccaa 420

naaacccaan tgggaacccc nananatttt cnaaaaaaac ttntnaaccc ccaaaggggg 480

ntccaaaa 488

<210> 18323
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-019-Q1-E1-E12

<400> 18323

anaanacgac agaagggtac ngctgcgaga agacgacana anggtacggc tgcgagaaga 60

cgacagaagg gtacggctgc gagaagacga cagaaggata cggctgcgag aagacgacag 120

aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg acagaagggt 180

acggctgcga gaagacgaca gaaggatacg gctgcgagaa gacgacagaa nggtacggct 240

gcgagaagac nacagaangg tacggctgcn agaagacnac agaanggtac ggctgcgana 300

agacgacaga aggggtacag agtcaattna agaaaccgan agagagantn agcggaatca 360

tgacttctcc gggaaaatct ccgagattcg accggaaatc anccacggtt gtcaccgtca 420

accgtctt 428

<210> 18324
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-019-Q1-E1-E4

<400> 18324

ctnccaggtg ggtcgtgtcc gcaggantcg ggtggccngc cgcgtccgcg aaaaaaacga 60

cagaagggga tggttttgtg acttgtgtgc gagtttgtag aagctttac[illegible]a 120

tgccgttgcc gatgcagtct ctcttcctct gtttctgatt cctgaatana tttgttaaac 180

gatggagaag atcgttcgtt cttcttcgct gattctactt gttggcctcc ttctttttat 240

gaattttcac ggatttgtcc ggatcgccga agcaacgaag cgacggatcg agatctccga 300

tgacctanac gacgttgaag acaatgaaga agacgagtca tggaaagagt gggggaagaa 360

agcaacgacc ccggaatttg nttcgcctcc ggatttcacc aatntgggat cgattagntc 420

angnggaaat gggntaaacg gtttttggaa cgtcncggtt c 461

<210> 18325
<211> 553
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-017-Q1-E1-D12

<400> 18325

aantggtttg ctttggccct ggcccgtccg ggaaaatcca aagggtcgnc ccacgccgtc 60

cgaagaagac gacaagaagg gggccaaggc cctccgatgg aagttaggag gggcnnnggc 120

ggggtccgct ggcaaaaacc taagggcgcn gagcccgggc nggagcgggc cgtcngggtg 180

caagattctt ggtggtaagt nagcaaatat tcanatattc aaaactctca agacatactc 240

aggtgatgat tctgtgatag taggggaatg gagattttct gcccatcact catattgggt 300

actatccctc tgaacatttc tcaaggacaa acgaacacaa caactcctca cacaaggaaa 360

caagcataaa ggtctctacg tgttgaagga tgtcccgttt caaacttatt actctaccag 420

gcaacaatct agtgatgatg aagtgtggca tcagagattg ggtcacccta ataaagaagt 480

tctacaacac cttatcaaaa ctaaagctat tgtagtcaat aaaacaagct ccaatatgtg 540

tgaggcttgt caa 553

<210> 18326
<211> 525
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-017-Q1-E1-D3

<400> 18326

atggtctctc ncccagcccc ggaaatccga atcgacccac gccccgtacg gntgcgaaaa 60

gacgacagaa gggtacggct gcgagaagac gacagaaggg tacngctgcg anaagacgac 120

agaagggtac ggctgcgaga agcgacanaa nggtacggct gcgagaagac gacagaaggg 180

tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga agggtacggc 240

tgcgagaaga cgacagaagg gtacggctgc gagaagacna cagaagggta cggctgcgag 300

aagacgacag aagggtacgg ctgcgagaag acgacagaag gatacggctg cgagaagacg 360

acagaagggt acggctgcca agaagacnac agaagggtac ggctgcnaga agacgacaga 420

agggtacggc tgcgagaaga cnacagaagg gggtccctaa tgaactggtt aagctgatag 480

agatactaaa ccctcaanac aancctgga aggattacgg ttata 525

<210> 18327
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-017-Q1-E1-D9

<400> 18327

tagccgtccg ggacatccaa ggtcgaccca cgcgtccgcc cacncgtccg tacggctgcg 60

agaagacgac agaaggggga actcctttca tacgttttct ctctactctc atcgcttttc 120

ttatctctct cggagctctt ccgtcgtcca ccattgatta cgggagtgta ttgagctaaa 180

tatggctata atacaacttg gaagtacatg tgttgctcaa tggagtattc gtcctcaatt 240

tgcagtcaga gcttattatc ccagcagaat cgaatcaact caccatcaaa attccagtag 300

ccaagtaaat tgtttgggag cttcaaagtc gagtatgttc tcacatgggt cattgccctt 360

cttgtccatg acgggaatgt ccaagaaata tgcatcctcc tcgcagagga tctcgcttca 420

ctgttagagc tgatgcagat tactattcgg tactcggagt ttcgaaaaat gcaaccaaag 480

ctgagattaa aagcg 495

<210> 18328
<211> 529
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-017-Q1-E1-D1

<400> 18328

aactggtttt ggtcccctgg gntctaccgn annccnanat cgagcccacg gnccccgaca 60

tnaacgggaa aggnancnna aagtgagcgt gttgatgcat aacgaacgat gccattttcc 120

gcatcaatct catcgccttc ttcttctgtc gcgcttcttc gatcgcctct ctctttcttc 180

atcttcactc ccaaaaccct aatcttcacc agaaccagga tctctggttt cccttatctt 240

gcttcccggc gatcccgcga tttcatcaac gggagggatg atttcgctga cgatacgagg 300

agctggaacc ggaagatcaa accggagtat gggttcnnnn nnnnnnnnnn nnnnnnnnnn 360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ctgttactta gatttgtaga 420

aaatgttttc aaganagatt tctaagaaga gcaaggaaag ctgtccgatn aattttgcct 480

gtttcgatct cctacgaaac tcgtggggtt tcagtgaatg ggagttcnt 529

<210> 18329
<211> 533
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-017-Q1-E1-E2

<400> 18329

aactggtttc cgttcccacg ccccggaaat cccgaatcga cccacgcgnc cgtacggatg 60

cgaaaagacg acggaagggt acggctgcga gaagacgaca naagggtacg gctgcgagaa 120

gacgacagaa gggtacggct gcgagaagac gacagaaggg tacggctgcg agaagacgac 180

agaaggggga agccagaggt ttcagatata gtaatcttca aggctcctcc aattttgctg 240

gaatatccgg aatatggcta cagttccaat gatgtattca taaaaaggat antggcaagt 300

gaaggtgact gggttgaant tcgtgatggg aagctctttg tgaatgacat tgtgcaagaa 360

gaagattttg tcttagaacc aatgtcatgt gaaatggnac caatgtttgt cccaaaaggt 420

tatgtccttg tccctggtga taaccgcanc aaaagccttg actcccataa ctggggtcca 480

cttcaataga anacatcttg gnaanatcgg gntccgtact ggcaacgagc aag 533

<210> 18330
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-017-Q1-E1-E5

<400> 18330

ccctgagata gagataagag aatttcgaga gattcgagag aagagacgat gggtttccaa 60

gatctcgaag ctggtactcg atctccggcg ccgaatcgtt ttaccggtgg gagacaacag 120

agactttcgt ctcgtgggga tccatctcag gaggtcgccg ccgggatttt caggatcagc 180

acggctgtca attccttctt ccgcctcgtt aattcgatcg gaacacctaa agatactctt 240

gaattacgag ataagctgca aaagacaagg ttacagatat ccgaattggt gaagaatact 300

tcagctaaac ttaaggaagc tagcgaagcc gaccttcatg gatcagctag tcaaattaag 360

angatagctg atgctaaact ggcaaaaaga ttccaatcag ttctcaanga gtttcagaaa 420

agctcaanag acttgcagct g 441

<210> 18331
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-017-Q1-E1-E7

<400> 18331

ctgcgagaag acgacagaag ggtacggctg cgagaagacg acagaagggt acggctgcga 60

gaagacgaca gaagggtacg gctgcgagaa gacgacagaa gggtacggct gcgagaagac 120

gacagaaggg tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga 180

aggggtcggt tggaagggga aaagatcaat ttctctctct tctctctctt caattattca 240

gagagagaaa cacgatcttt gtttctccat ccggtttgtt tactaagttt tgtctctggt 300

atggttcaac tttgtctccg gcgaagtccg gctttgtttc ggctatctgt tgccgctttt 360

tgtttttttcc gttgaataaa ttatgcgatc tatgttagtg ttgtgggttt angtga 416

<210> 18332
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-017-Q1-E1-E9

<400> 18332

gantgttcct ctttgcacta gccgtccgga cntccaaagg tcgacccacg cntccgtacg 60

gatgcgagaa gacgacagaa ggatacggct gcgagaagac gacagaagga tacggctgcg 120

gaagacgaca gaaggatacg gctgcgagaa gacgacagaa gggtacggct gcgcgaagac 180

gacagaaggg tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga 240

aggatacggc tgcgagaaga cgacagaagg atacggctgc gagaagacga cagaagaata 300

cggctgcgag aagacgacag aaggatacgg ctgcgagaag acgacagaag gatacggctg 360

cgagaagacg acagaaggat acggctgcga gaagacgaca gaaggatacg gctgcgagaa 420

gacgacagaa gggtacggct gcgagaagac gacagaaggg 460

<210> 18333
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-017-Q1-E1-F3

<400> 18333

ngccccggaa acccgaatcg acccacgcgt ccgcccacac gtccgcccac gcgtccgtac 60

ggctgcgaga agacgacaga agggggggatt accttggaac ttgatatgca atgggatgga 120

aacccaaata tagtacttgg cgtcaagacc ttagttggtg tatccctccc cattcaggtg 180

aaaaacatcg gattcactgg tgttttcagg ctaattttta ggccactagt tgaggacttt 240

ctctgctttg gagctgtcag cgtttctctt agagaaaaga aaaaattgga cttcaccctt 300

agggttgttg gaggtgatat ttcagcaatt cctggacttt ctgaagctat tgaggaaaca 360

attcgggatg ccgtggaaga ttctatcaca tggcctgttc ggaaggtcat cccaattata 420

cctggtgatt atagcgatct ggagctaaag cctgttggaa tgttagaagt gaaacctgtg 480

caagcaaaag aacttgacca acaaaagatn 510

<210> 18334
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-017-Q1-E1-G1

<400> 18334

cggaaatccg anatcgagcc acgggcccgt acggatgcga aaagacgaca gaaggggcaa 60

cncaaaaagt aacaatttga attacttccg caaatctaaa ataatatcta gtgaancgaa 120

tatgtgtttc tttgataatc ggtgcgatca gaatctgacg gtggtggtgg atgtggcgtg 180

gtggatggag gctgttcctc nacaaatcan ttctccggcg aagccatcgg tttctccgan 240

tcttgagacg attttanaag gcggatagac cgaagaagac aatcaagaac aagaaaacga 300

tgacgtgtaa attgtaatga tcattttgtt actcggtctt gggtttaaga tanactcatg 360

ttgttgttgt tgttttttcc ataactgtat aanatgagat tttgtattgg aatcttttgt 420

acantcaaat ctcagttcat tgtganattt caatcancnt tcacatccgt ggtacgctcg 480

gtgatctgtt gttaaaanct cacg 504

<210> 18335
<211> 514
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-017-Q1-E1-G3

<400> 18335

cgcccccggn aaatcccgaa tcgggccacg cgnccgccca cacgtccgta cggctgcgag 60

acgacagaag ggggaaagaa aaaannaana aaaaaaaaag acttctcctc aaaaatggcg 120

tttacactag gtggaagagc tcgtcgtcta gtctctgcaa catcagttca tcaaaatggt 180

tgcttacaca aactgcaaca aattggatcg gatcggtttc agcttggtga agcaaaagca 240

ataagattac tacccaggag aacaaacatg gttcaagaat taggaatcag ggaagaattt 300

atggatctaa acagagaaac agagacaagt tatgattttc tggatgaaat gagacacaga 360

tttctgaaat tcaagagaca aaagtatcta ccggagatag aaaagtttaa agctttggnc 420

atagctcaat caccaanagg taatggtgat aggatgtnca gattcaaggg tatgtccatc 480

ttaggtccan gattcaacct ggtgaaactt ttac 514

<210> 18336
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-017-Q1-E1-G9

<400> 18336

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cgcccacgcg tccgtacggc tgcgagaaga cgacagaagg gatcaaagat ctttttttt 120

ctcaattatt gtgataatga attcgatgtt tagtgccttc gacgccatgt gtgcagagat 180

tatgggannn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnntt gctcttgagc tcgatggtct 360

tcattgcttc gaagactata agttcgttcc ttgatcaata tcaaagatta ccaaattttt 420

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acaattttgg gaagaattaa nt 502

<210> 18337
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-017-Q1-E1-H10

<400> 18337

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agaagggaag tcgataaaga aaaggacact acaaggcaag attcatgatc aaactgggag 120

ggagaagaaa aacaanaaag acgcgtgaac atcaaaatca ccgtctccat cattctgata 180

atcctgctga tgatgacggt gggcaatcat cagaaggata aaaatggaaa caaaggcaga 240

gttgtaggac aaggaagacg acagaatcat caaggcggca acggcattgg acatggaaca 300

gcttcatcat cttctcatcc taattatcat cctgttgagg tctcaaagcg tccacctggc 360

ccgagaatgc ctgatgggac gagagggttc acaatggggc gtggtaaagc gattcctcct 420

cccacatcta ctcaaaccag tcatgaagtt tgatcgttcc gcatcntcgt tgtatcattg 480

tgtgggttta attcacatta aaaaatgtga 510

<210> 18338
<211> 433
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-017-Q1-E1-A7

<400> 18338

agagcgataa agagatgggt ggagaagaga gatcaggaga tggagaaaaa agaggggaag 60

aagtagttga tgctggttct ctcttcgtcc ttaaatccaa agggacatgg tggcactgcg 120

gattccactt gacgacgtct atagtggcgc ctgcgctact gagtctaccg tacgccttca 180

agttcttagg atgggctgcc gggatatctt gtctggtcgg aggagcagcc gttactttct 240

actcgtacac tcttctttct cttactctcg aacaccacgc ttctctcggc aaccgttacc 300

tccgcttccg tgacatggct catcacatcc tcagtaattc tttttccttt tacatttgcn 360

ctttcctata nncaaagccn gcgacaaatt taccttaaga gaanttcaat cangattgag 420

atgtgangtt gtc 433

<210> 18339
<211> 431
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-017-Q1-E1-A9

<400> 18339

ggctgcgaga agacgacaga agggcatgac gataagcacg atggtgttta tggatacccg 60

cagcaggctg gatatccagc tggaaccggt ggttatccgc cacctggtgc atacccacaa 120

cagggaggtt accctggata tccgcctcag caacagggtg gatacccggg ttatccgcca 180

cagggtccat atggttaccc gcaacaaggt tatccaccac agggtccata cggttacccg 240

caacagcaag ctcatggtaa accgcagaaa ccgaagaagc atggtaaggn tgganctgga 300

atgggactaa ggacttgggc ttggagctgg tttaatgggt gggttgttgg gttggtgaaa 360

ccgtttctga catcgctgat atgggtgaca ttggtgacat gggttacatg ggtgggttcc 420

aattcngaat g 431

<210> 18340
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-017-Q1-E1-B1

<400> 18340

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ccacgcgtcc gtacgctgcg aagacgacag aaggggcctg aggaaagaaa aggagctcca 120

aagggctgaa cgcgagagac ggaaacagca agaagcccan gagcgagaag ctcaggctgc 180

actcaatgac ggagaagtga ttagcatcca ctcaacaagc gagctagaag caaagacaaa 240

ngctgctaag aaggcatcac gtctgctcat cctttacttc acagccacat ggtgtgggcc 300

atgccgatat atgtctcctc tgtactcaaa cctggccaca cagcactcga gagtcgtttt 360

cttgaaagtt gatatagaca aggccaatga cgtggctgct tctggaacat tagcagcgtc 420

ccgacctttt gcttcatcaa gagatggcaa agaggtggac aaaagttgtc ggagctgata 480

aanggtcgct tgancagaag attgcac 507

<210> 18341
<211> 541
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-017-Q1-E1-A2

<400> 18341

aactggtttc ctgtgcccaa cgcccccgga aatcccgant cgacccacgc gtccgtacgg 60

ctgcgagaag atgcgagaag acgacagaag ggggagaaag ataaaaacag aaaaagataa 120

ggaacttgca nagaaagcaa aaaagaaaga agaagcgaag aagagaaact aagattcaga 180

tggcttccca gacaaatcaa accgtggtgg ataccaagaa aatcgaaacc gagaacccgc 240

caaaaccgca agtgcctgca tcatcatgca ggaagagggt gaaggatgat aacgccactt 300

tctttgcaaa cctcaaggat cacatggatg aattcataca tgcctcaatg gatgaacaca 360

agacttgttt caaaaacacc atggacaaag atattccggg agcttctcca aggcggaggc 420

agttgcagag aagcaaantt gaggctaagg gaattggtcn aagattcact ctcctcntca 480

gacagcantt gactaagtta gagatttttc acaaccttgt gagctcanga aattaatcat 540

g 541

<210> 18342
<211> 373
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-017-Q1-E1-B12

<400> 18342

tgtatcagct tttgacaagg atttaacact tgatgttctt gatcatccgg ttctgaactt 60

aatctactat atggtgggta gaagtacttc catcggcact agtcctcttc attctccgaa 120

agctacctcc aaagagagta tcagctcaat accatccgat ccagtagaaa cctttgtcac 180

tgaaccatct cacacggtga gtatgatgct gtttaagaga agagtaaaga ttaaaaaaaa 240

aaattggggc aaaaaatgaa aggtgaagaa gaaatcggtg tggaatctgc gtgagttttt 300

ggaatgcacg ttcatataaa cgattttaca gcttttagtt gttgtaaccc gccgtgactt 360

ttgggttggt aat 373

<210> 18343
<211> 537
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-017-Q1-E1-B2

<400> 18343

atggtttccg tncccacgcc ccggaaaatc ccgaatcgnc ccacgcgtcc gtacggatgc 60

ganaagacga cagaagggga tccgccggaa aaaaataacg tctttttttt tttcttccaa 120

tctctctgtc tctctcccca attcccagat tctcattttt gcagagattt taggaggaac 180

atgattgttt gaattgggag agacattggt tcgtgtaaaa tgcgggtgct tggtttgagc 240

tcaagcttat gctctggtga ggataaggaa gaagaagaga ttaatggaga aggctctctc 300

acgcctgttt atctcaacgt ctatgatcta actcctgtca acaattatct ctattggttc 360

ggccttggca tatttcactc tggcattgag gctcatggtt tcgaatatgg gatatgggag 420

ctcatgagta ttccaagcaa ttggggtant ttgaggttga acctaagaac tgtccaggtt 480

tcaaccttaa aggcgcncaa ttttgtttgg gaaaccacca ancatgtccc gcccctg 537

<210> 18344
<211> 443
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-017-Q1-E1-B5

<400> 18344

aagagacaga agggtacggc tgcgagaaga cgacagaagg gtacggctgc gagaagacga 60

cagaaggggg actcggtgtt gtcctcttgg agttggctac agggctaaaa gctgtaggag 120

gtgaaggttt taaagggagt ttggtggatt gggtgaaaca gcttgaaagc tcaggtagaa 180

tcgctgagac attcgatgaa aacattcgag ggaaaggaca tgacgaagag atctcgaaat 240

ttgttgagat tgctcttaac tgtgtgagtt caagacctaa agagagatgg tcaatgtttc 300

aggcatacca gtcactgaaa gctattgctg agaaacaagg ctattcgttc tccgaacaag 360

acgacgactt ccctttgatt ttcgacacgc angagaacga gaaagtgtga aaatgaaccn 420

tttatgatac gaggaggaat tag 443

<210> 18345
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-017-Q1-E1-B7

<400> 18345

aagacacaga aggggaacca aaaaaataaa agatttttac attcgacgag accgtgatcg 60

aaacggcgat ggttgaccag agtcctcgcc gtattgtcgt ggcggcgctc ctattgtttg 120

tggttctgtg cgatctttcg aattctgcgg gagctgcgaa ttctgtgtca gctttcgttc 180

agaacgccat cttgtccaac aagattgtca tcttctccaa atcctactgc ccgtattgtt 240

tgcggtcgaa acgtatattc aaccaactta aggaagagcc atttgttgtg gagcttgatc 300

aagagagagg acgggngatn aaatcccagt atgaagcttt taaaaatcct tgggtcgtcc 360

gtactgtccc cgcaagnttt tggttaacgg naaagcatat ttggtgggnt naagatgatt 420

cntgggggcc tgcctttggg gaantgg 447

<210> 18346
<211> 523
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-017-Q1-E1-C1

<400> 18346

anggttcctt tcctcgcctc ggaaatccaa antcgaccca cgcctccgta cggatgcnag 60

aagacgacag aaggggggag tcgcagtgac aaggcccggg cgactgttta ccaaaaacac 120

aggtctccgc aaagtcgtaa gaccatgtat gggggctgac gcctgcccag tgccggaagg 180

ttaaggaagt tggtgacctg atgacagggg agccggcgac cgaagccccg gtgaacggcg 240

gccgtaacta taacggtcct aaggtagcga aattccttgt cgggtaagtt ccgacccgca 300

cgaaaggcgt aacgatctgg gcactgtctc ggagagaggc tcggtgaaat agacatgtct 360

gtgaagatgc ggactacctg cacctggaca gaaagaccct atgaagcttc actgttccct 420

gggattggct ttgggctttt cctgcgcaac ttangtggaa ngcgaaagaa ggcccccttc 480

cgggggggcc ccgagccatc aattgagata ccactctgga aga 523

<210> 18347
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-017-Q1-E1-C11

<400> 18347

ggtttgncct agcctccgga natccaaggt cgacccacgc gtccgcccac ancgtccgta 60

cggctgcgag aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg 120

cgagaagacg acagaagggt attgccnnnn nnnnnnnnnn nnnnnnnnnn nnnnnngcgg 180

ccgctctaan ggatccaagc ttacgtacgc gtgcatgcna cgtcatagct cttctanant 240

gtcacctaaa ttcaattcac tggccgtcgt tttacaacgt cntgactggg aaaaccctgg 300

cgttacccaa cttaatcgcc ttgcagcaca tccccctttc gccagctggc gtaatancga 360

ngaggcccgc atcgatngcc cttcccanca gttgcgcagc ctgaatggcg aatgg 415

<210> 18348
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-017-Q1-E1-C3

<400> 18348

gcgagaagac gacagaaggg gaattgttca ctgcgacgtt gaatctaaga acgttcttgt 60

ttttaacggt ggtagctccg ttaagctagc ggattttgga tcggcggttg agtttgagaa 120

atctacgatt catgtttcgc cacgtggaag tccgctttgg atggctccgg aggtggttag 180

aagagagtac caaggaccgg agagtgacgt gtggtcttta gggtgtaccg tcatcgagat 240

gctcaccggg aaaaccagct tgggaagatc acggtttcga ctcgctgagt cgggatcggg 300

ttctctaacg atttgctttt tantccggtg gggttatcgg aactcgggag aaganttcct 360

tanangaaat gcttgaaacg tgatcggagt cagcgttggg agctgtgatc agctcctgca 420

acaatccgtt tcctgtgtca agatcatcat gact 454

<210> 18349
<211> 512
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-017-Q1-E1-C4

<400> 18349

ctcnccagcc cccggaaatc cgaaatcgac ccacgcgtcc gcccacacgt ccgtacggct 60

gcgagaagac gacagaaggg gagttccctc cgttgcttgg aatcaacact ggacatggaa 120

aacacagata ctcagacaaa ggtctagcag ctgttttcga gtctcacttg aaggagctaa 180

atgctccttt ccatgaagcc ccagataagg ttggctggtt tttgactacc agtgttgcgg 240

caaaggcatg gttggagtct agacgctcag ctggaggagt ttctgcgtag ctcttgtaat 300

tggtatgtag ctttgatatt gtctatgtgg cttcgagctt tctccactat ttagttttct 360

ttctcctgat accggatact gggatnagga aagattttgt aatgctaaca aactccggtt 420

atacacattt tgaaacaatt ttagagaact gattaagttc aaaaaaannn atnannncnn 480

naaaaaaaaa agcggccgcc canaagatca ag 512

<210> 18350
<211> 523
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-017-Q1-E1-C8

<400> 18350

gtttgtctcc tgggtcaccg gaccggacac ccgggtcgac cacgcgtccg tacggatgcg 60

agaagacgac agaagggtac ggctgcgaga agacgacaga agggtacggc tgcgagaaga 120

cgacagaagg gtacggctgc gagaagacga cagaagggta cggctgcgag aagacgacag 180

aagggtactg ctgccagaag acgacagaag gggactccaa cagagaagca aaaaatcnan 240

ancannnnta aaaaaaaagc ggccgctcta gaggatccaa gcttacgtac gcgtgcatgc 300

gacgtcatag ctcttctata gtgtcaccta aattcaattc actggccgtc gttttacaac 360

gtcgtgactg ggaaaaccct ggcgttaccc aacttaatcg ccttgcagca catccccctt 420

tcgccagctg gcgttatanc gaacaggccg cancgattgc ccttccaaca gttgccaacc 480

tgaatggcaa ttggaccccc ctgtaccgng cattaagcgc ggg 523

<210> 18351
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-017-Q1-E1-C9

<400> 18351

actggttttg gtctgcccta gcnctccgga aatccaaggt cgacccacgc gtccggagaa 60

gacgacagaa gggtacggct gcgagaagac gacagaaggg tacggctgcg agaagacgac 120

agaagggtac ggctgcgaga agacgacaga agggtacggc tgcgagaaga cgacagaagg 180

gggaactcta aaccacactg agatggcgaa atggtggcga ggcctgagat ccgtgacggc 240

ggaggtggct gatcttccgg cttcttcatt cggtcgatcg attcgatgta ttcatcagta 300

tcagacgatc caggcgattc cacgtgaagc tacgggtcga ggagtatcgg ctcgggatcg 360

gacgattggt cgtattcccg ccgtcgtttt cccgcaatcg cttctagata ctgatgcttc 420

naagcgaagc gtgtcnagga agcaactatt gacggcggat aagaagcaga tnaagtctat 480

tattgactct gttggtctcc caatcctctg t 511

<210> 18352
<211> 469

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-016-Q1-E1-E12

<400> 18352

ccgacattcc cnggtcgacc cacgcgtccg tacagctgcg agaagacgac agaagggggt 60

acgtcttttg cataagaaga aacagagagc attatcaatt attaacaatt acacannnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnngc tttggccacg 180

acggcaccgt tagctccggt caccagtcag cgaaaagtac ggaacgattt ggaggaaaca 240

ttaccaaaac catacatggc aagagcatta gcagctccag atacagagca tccgaatgga 300

acagaaggtc acgatagcaa aggaatgagt gttatgcaac aacatgttgc tttcttcgac 360

caaaacgacg atggaatcgt ctatccttgg gagactataa gggatttcgt gaccttggtt 420

caaccaattt cctctatctt tggaccttac cataaactta gcgttcact 469

<210> 18353
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-016-Q1-E1-E5

<400> 18353

gtttctgtct cccctggtat ntancaatcc gacattcgcn ggtngcccca cgcgtccgta 60

anagctgcga gaagacgaca gaagggtgtt cgacgaagaa gaagctaatg gccctgacat 120

ctggaacacg acatggtatc caaaagcttc agaccatgtg aacacggaca agccctggtt 180

tgtggttgat gcaactgaca aaattcttgg tagattggca tcgacaattg ctaatcacat 240

ccgtgggaag aatcttgcct cttacactcc tagtgtcgac atgggagctt ttgtgattgt 300

ggtgaatgct gagaaagttg ctgtatctgg aaagaagcgt aaccaaaagc tgtacaggag 360

gcattcagga cgacctggtg gtatgacagt agagacattt gattaattgc agcagagaat 420

tcctgaanga atcgttgagc atgctgtttc gtggaatgct tccanaggga cggcttggga 480

aaactctgtt ca 492

<210> 18354
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-016-Q1-E1-F1

<400> 18354

actgtttnct ccccgtggct ctccgganat tcacaggtcg ncccangcgt ccgtanagct 60

gngagaagac gacagaaggg ggagccgcac gtgtgctnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnacata 180

ccacaaaacc tctcttctct ctctattgat tctctacgaa gaggaaagtg attttgaacc 240

atcttgatcg gaaacggcgt ttcgaaactg gaggtcgaag acgaaaaaaa ctcttatctc 300

atcgctccgg tgtaccgaat tcgagaggtt tttgttaggt ttcgtagtga ttgattgatt 360

ttgatggaag atagtgtggt ggatgatgtt ataaagaggt tactaggagc gaaaaacggg 420

aagacgacna ancaggttca gttgacggan gctganatta aacaatcttt gttctaccgc 480

taancaagat 490

<210> 18355
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-016-Q1-E1-F12

<400> 18355

ctagcctccg nccatccaag gtggccccac gcgtccgccn acgcgtccgt acggctgcga 60

gaagacgaca gaaggggcaa tccaaacctg ggtccgaacc tatgttgaac gctactatcc 120

aaacccgaac cttatcaaaa cagactctga gctccaatct tggtactcag aatcaatcaa 180

cgtcggccac gctgacctcc gcgacgctga ttggtggccg gagttatcaa ccgtcgacga 240

cctcgtgtcg attctaacca ctctaatctg gctcgcctct gctcaacgtg ccgctctaaa 300

ctttggacaa tacncttacg gtggctacgt cccaaaccga cancgttgat gcngcgggtt 360

taatcccgac gantcgattc agaattacgc cgagtttcat ctccccatcc gggagaaant 420

attacttccc ggtcnatgcc aaattttggg ggcaaaacn 459

<210> 18356
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-016-Q1-E1-D8

<400> 18356

nggccccacg cgtccgccaa cgcgtccgcc cacgcgtccg tacggctgcg agaagacgac 60

agaaggggac agagatgaat tctatatcaa tcttggtgtc gctgtccgta tacttcgtga 120

agatttgcct ttgctcttca ctagagatct taattacgac atctacaggg atgatataac 180

atttgtggat ccgatgagca cattcactgg gatggacaac tacaagatta tcttctgggc 240

actcagattt catgggaaga tattgttcag agatatctca cttgagatct tcagagtatg 300

gcaaccatca gagaacatgg ttctcatcan gtggaatctc aanggtgtgc ctanagttcc 360

atgggaaant anagggagag tttcaagggc acttctcggt anaaactcga ccgtaattgg 420

caaaatncta tgancataaa gtcgataact tg 452

<210> 18357
<211> 487
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-016-Q1-E1-F4

<400> 18357

tcnaactctg tctgctctcc gacatcagag gtngccccgn gcgtccgccn acgcgnccgt 60

acggctgcga gaagacgaca aaagggatat catcaaaaga gttctacgaa gatcaatctc 120

cagcggtgaa tgcagcaata cgcttacaac agcgatgcag tgagaaagtt ggtaaagatg 180

caaatgattt agcaatctct acgcgtttac ttgtatcgag ttcccaaatc gggtgtctca 240

ttggaaaagg tggagcagtt atatctgaga tgaggagtgt aacaagagct aatattcgta 300

ttcttcaaaa agaagacgta ccaaaaattg ctcgtgaaga tgaagagatg gttcagatta 360

canggaagtc ctgatgccgc tatgaaagct ctcacgcaag taatcttgcg attaagagct 420

aactctttcg acatggatta tggacttgtc ttgctaccaa catcntttcc atatatccct 480

caagtga 487

<210> 18358
<211> 473
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-016-Q1-E1-G3

<400> 18358

ggccctccga tnttccaaag gtngccccac gcgtccgccc acgcgtccgt acggctgcga 60

gaagacgaca gaaggggga gattaaaatt ttccagagat aaaaccctag agagattctc 120

atcttctttt cttcaatctc tctgagaatt tctaggtttt cgttaccgat tgggtcaatc 180

tggtgaaact caaggttgag atcagataat ttaattggaa gattttaggt tatggagaac 240

agaggccaga aacgaatgga ggttgtggaa gagctacctg ctgataagag agcttgtaac 300

tctcaggatt ttagaccaag cacattcgga tcatctgttc aagctcaagc taatgatacg 360

aatccaggac atgaaaacgt tgacgctgat atggatactt cttcatctgc ttcgccttcg 420

agtcgatnag atgaagaana acaagaagan caggataagg aggattccga cta 473

<210> 18359
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-016-Q1-E1-H1

<400> 18359

ctagccgtcc gacattccaa aggtngnccc acgcgtccgt aaaagctgcg agaagacgac 60

agaagggctt cctcagcgat gatagcacat tgaggcctgt tgccattgag ttgacttgtc 120

caccaaatat caacaagccc caatggaaac aagtcttcac gccaggctat gatgctacgt 180

catgctggct atggaatctt gctaagactc atgctatctc tcatgacgcc ggttatcatc 240

agcttatttc ccattggttg aggactcatg cctgtacgga gccatacata atagcggcaa 300

atagacaact aagtgccatg catcccattt ataggctttt gcatcctcat ttccgctaca 360

ccatggaaat caacgctcgt gcacgccaaa agtcttgtca acggaggtgg aatcattgag 420

actgtttctg gcccgggaag tatgcatana gctaagttca accgtctatg gtaaa 475

<210> 18360
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-016-Q1-E1-H11

<400> 18360

aactgtcntc ctgntctagc cctccganat ccaangtngn cccacgcntc cgtanaagct 60

gcgaagaaga cgacagaagg ggggagcgat tcggtcaaaa ccaacgctgg attacacagc 120

agaagatttc tcgtttcata tttcgacaaa cttagaatct gcttatcatc tgagccagct 180

tgcgcatcct ctgcttaagg cttcaggatg tgggaacata attttcatgt cctctattgc 240

tggagttgta tctgctagtg tcggctccat ctactctgca acgaaagggg tattgaatca 300

gctagcaagg aacttggcat gtgagtgggc tagtgatggc attagggcta atgctgtggc 360

tcctgcagtc atcgcaactc ctttggctga agctgtgtat gatgatgagt tcaagaaagt 420

ggtgatatca agaaagccgt tggggcgttt cngggaacct gaaanaagtt tcctcgcttg 480

tgggcttttc tatgtt 496

<210> 18361
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-016-Q1-E1-H12

<400> 18361

ccccagttcc atgcncacgg tnaccangcc cgnccgaccg taaagctnaa agaagacgac 60

agaaggggtg gagttcaatt tggaaaagga agcagagang aaatttgcat tgaacctttt 120

gggtctatat cagaatatca agacaggcag tcagcgttta tgacgattta tctcatggta 180

ttgacagaac tgccgaatta acggttggac gctttggtgg tatcnatgct ttagcacagg 240

agtatggaca aggtatggct aagcaangga tggatgtatt actttccaca ttatcaaaag 300

ctattcaatc ctgttggnga catctcataa aggccaaatt gttggggtta accgtccctg 360

atngagaaga gttaaccaag aatcacnaaa aatccntttt gaacctttgg gtcctccccg 420

ttcaacctgc acgccncaaa nggtggaaat tgganggnaa ntccanttnn aacccattat 480

cncctgaagg ttaaacctgt tn 502

<210> 18362
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-016-Q1-E1-H7

<400> 18362

agaagaaaaa aaaacagagt agagattgat aaaaaaaaaa tgagtagctc cgattctcct 60

cagcttcaca atatcttcgt ctatggtagc tttcaagagc ctgacatcat ccatgtcatg 120

cttaatcgta ttcctgagat tgtctctgca acacttcctg gctttaagag atttaggctt 180

aaaggacgtt tgtatccatg tattatcccc tctgagaatg gagaagttca tggaaaggta 240

ctaatgggat tgactaatga tgaacttgag aatgtagatt gggttgaagg aaacgaatac 300

gaaagagtgt ttgttgaagt tgtaagaaaa agacaattct gagaagatga gagtggaaac 360

atatccatgg atnaacaaga atgatctgat attggtggag aatgg 405

<210> 18363
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-016-Q1-E1-H9

<400> 18363

gtacgggctg cgagaagacg acagaagggg gagaaagatc gaatcgaaga atggcagaat 60

tcgttgaagc tgataacgca gaagcaataa tcgcgaggat cgaaaccaaa tcgaggaaga 120

ttgaaagcct actcaaacag tacaaacatg tagaagcttt gaaaacggct cttgaaggtt 180

cgcctccgaa aactcgcgat gaacgttgca agtcggctaa ttggatagtt gtgcacagag 240

ctttaatggc cattaaggat attgacggaa tgctcaatgc tcttgatgtc gaatattacg 300

acattctcat gaagtacttg tacagaggac tttctactgg ggancgaccc atctgcgatn 360

agtgcctgaa agattcacga agaaactcac tgagaagagc tggtctcngt tgcattctcc 420

ga 422

<210> 18364
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-017-Q1-E1-A11

<400> 18364

gcnaagacga cagaagggga gaccaacaaa taaacattaa acccaaatga tatattttgg 60

gtaagatcaa tcgacaatca ttatacaaca atgatgacaa aaacattgga gattgatttg 120

agatcagcag aagggcttaa gctaaaccga agacccatca agaaaaagac tttcgccgtc 180

gtaaaaatcg acgagaaatg tcgaaaatct aatcttgacg aatcgagaag aagcaatcct 240

acatggaact ataaatcaga gatgcccatc aatggtaatg aacagtttat cttcattgag 300

gtattttatc gaacaggttc tgggcatgat aaaaaaatcg gagaagctaa aatcccaacg 360

aatgatttca tgggaaggta ttcacctgaa ggtcacttaa acttcttgag ctatagattg 420

agagatgagt ttggtgataa gtgtgggatc gtc 453

<210> 18365
<211> 468
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-017-Q1-E1-A12

<400> 18365

gcgtccgtac ggatgcgaga agacgacaga agggggagaa aaagagatgg aaagaaaaaa 60

gttttcttca aaatttattc atttgctcat tgtgtttttg cttctttgta cgtttctttc 120

tcgtaccgaa tctgctcttc cttatcacca tgaactgttc ttggggagga agcggatgaa 180

ttattataag cccaacagtg ccataggaac accatcatca actagtggcc acgctccagg 240

cagtaatggg aggaagttga tgagtatata tagacccaat ggagacatat ttacaggacc 300

atcaggcagt gggcatggtg ggggtcgcac tccagccccc taagtatata tatattaatg 360

tgtaatcaag gactcacaag cgaagctttt aattctcgat nacgtataac gtatgcgttg 420

gtgtagtata tgtttaattt ctgttttcac aagccaagtt tttcattt 468

<210> 18366
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-A10

<400> 18366

tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga agggtacggc 60

tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaaggata cggctgcgag 120

aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 180

acagaatggt acggctgcga gaagacgaca gaagggtacg gctgcgagaa gacgacagaa 240

gggtacggct gcgagaagac gacagaaggg tacggctgcg agaagacgac agaanggtac 300

ggctgcgaga agacggcaca agggtacngc tgcnaaaaga cgacagaagg ggaaaaatan 360

aattataaaa ttaaacctat gaatatgagc aatccctcna taaatctgaa cct 413

<210> 18367
<211> 512
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-A2

<400> 18367

cggtttttcg gccncccggt ccgganaaaa cgggtcgacc cacgcgtccg aagaagaaag 60

aaggggctgt cgggantaaa cgagtcagag acgggttana cctcgactcg ccggacgtga 120

agcggttaag agatgatttg ttcnatgact cngggcttga cccagtgagt caagatcttg 180

actcggtgat gaagagtttc gagaatgagt tatcgacaac gacggcggcg ctaagctccg 240

gtgaaactca accggatctt ggataccttt tcgaagcttc tgatgacgag ctgggtttgc 300

caccgccgct tacgccaccg canacgcntc ttcctccgtc gngtgaagaa acggtgacgg 360

aattggtacn agcctcgtcc ggattcatca nangtttggn naattatgtt ggttttgagg 420

atcatgttac ggaagttcgg accttgccat cttggtgaat atgggcnttt cgaataattt 480

cgatgggtgt ttaagattcc ggcgnattgt tt 512

<210> 18368
<211> 551
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-A3

<400> 18368

tgtttngggc ccgccctatc gcgtcataag anactggttn gaccnancgc gttcgnccna 60

aannntccgg aagacgacag aaggggggact cttcattggn tttcntctcc tcctaatncc 120

ctcttcaatt tcctcctcct gatcgccagt tgattttang gcttctggca aacgaaagaa 180

gatggctttt agtccggagg tgttgggcga tgtccctgct aatcaagaac agtggtgang 240

ttgaagagcc tcgctcgttt cgctgtcgat gaacacaaca agaaagagaa tgcacttctt 300

gagtttgcga nagttgtgaa aggcgaaaga acaagttgta nccggaacac tgcatcacct 360

gactctggag attctcgaag cangacagaa gaagctttac gaagccnaag tntgggtcaa 420

gccgtgggtt ggacttttaa agaattacaa gagttnaaac cctgccaatt atgcccctng 480

ctaacacttc ctnccgattt ttggctgcca agccaaggtg gacatnaatc ctggattgaa 540

gggaaatttc c 551

<210> 18369
<211> 539
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-A1

<400> 18369

ctggtttgcc tgcgcctacg ggtccggaaa tcccggggtc gacccacgcg tccgcccang 60

cgtccgccca cgcgtccgta cggctgcgag aagacgacag aaggggggggg tcacagtgac 120

caggcccggg cgactgttta ccaaaaacat aggtctccgc aaagtcgtaa gaccatgtat 180

gggggctgac gcctgcccag tgccggaagg ttaaggaagt tggtgacctg atgacaaggg 240

aagccggcga ccgaagcccc ggtgaacggc ggccgtaact ataacggtcc taaggtagcg 300

aaattccttg tcgggtaagt tccgacccgc acgaaaagcg taacgattct ggggcactgt 360

ctcggagaaa aggctccgtg aaataaacat gtccgtnaaa aattccggac taactgcaac 420

ttggacaana aaagaaccct aatgaaacnt caatgttccc tggggaatgg cttttgggcn 480

tttcctgcgc aaccttaaag ttggaaaggc gaaanaaagg ccccccttcc cgggggggg 539

<210> 18370
<211> 505
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-A4

<400> 18370

actggtttnt ctggccctcc cgggtccgga tatncccggg tcgacccacg cgtccgtaca 60

gctgcgagaa gacgacagaa gggtacggct gcgagaagac gacagaaggg tacggctgcg 120

agaagacgac agaagggtac ggctgcgaga agacgacaga agggtacggc tgcgagaaga 180

cgacagaagg ggacgatgaa tcgattttat agctccgata ttgttattca tgatatttct 240

ttcattcgat atcatcgcaa tctaattcat ctgagtaagt ttacaagcga aagatttctc 300

atctctatgg gattaaatcc cgagatattc cannnnnnnn nnnnnnnnnn nnnnnnnnnn 360

nnnnnnnnnn nnnnnnnnnn nnncctgcat ttattgctac tgcactcttc aatcctcgtt 420

ccctactggc ntttttgccn tatnatttta cgtnaaaaac cgttagtcan aattgattnn 480

nttgaaataa aatttttact atcca 505

<210> 18371
<211> 252
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-A5

<400> 18371

ctgcgagaag acgacagaag ggtacggctg cgagaagacg acagaagggt acggctgcga 60

gaagacgaca gaagggtacg gctgcgagaa gacgacagaa gggtacggct gcgagaagac 120

gacagaaggg tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga 180

anggtacggc tgcgagaaga cgacagaang gtgtgcaaaa naaaanaaca nanannaaaa 240

aaaaaagcgg cc 252

<210> 18372
<211> 268
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-A6

<400> 18372

aaggatacgg ctgcgagaag acgacagaag ggatgaacgt gaagatgact ggcaaatgct 60

ctgatcatga tcatcgtcaa acattttaac aatctcaagc tacaattctt tttttccttt 120

tgttaaccag ttctttgttt tttatatgtg ttggtgnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnaan 240

naaaaaanca aaaaanaaaa aagcggcc 268

<210> 18373
<211> 513
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-A7

<400> 18373

ttttttttggc cgccctacgg tcangataat cccggggtcg acccacgcgt ccgacggatg 60

cgagaagacg acagaaggga gaaggaccaa tctataatag ctgaaattag attcaaccat 120

gatcatgaat gggtgatgag caaatataga gaagtcattg agttctggag aaatgaacga 180

gaagctgggt acactcctga agaagaacgt tggaaatgtc ggtattgcca atttgctaag 240

tcttgccctg gaaacccgag tttcgaatct cctagcacaa gctcaccaac aagagaggct 300

cctcctttac caagctaaaa agaagatgaa aagttgattc tttcaccgaa agctgctaaa 360

tgctaacata tatgtttgtg ttgtcttaat ttccacattt gcctccctta aattgcatan 420

caattaagtg attaaaccgt ggtttgatta aggttggtaa gcctnncaaa gattgatttg 480

ttccggggat gccccaattt gattaatggt gta 513

<210> 18374
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-A8

<400> 18374

aagatgataa ggaggagagt gatggtgttg ttgttaagga agcttcttgg atagatttgt 60

atttaccaga agaagttaga ggttatgcta agcttgctcg attggataaa cccattggaa 120

cttggttgct tgcgtggcct tgtatgtggt cgattgcgtt ggctgctgat cctggaagcc 180

ttccaagttt taaatatatg gctttatttg gttgcggagc attacttctt agaggtgctg 240

gttgtactat aaatgatctg cttgatcagg acatagatac aaaggttgat cgtacaaaac 300

taagacctat cgccagtggt cttctgacac catttcaagg gattggattt ctcgggctgc 360

agttgctttt aagcttaagg attcntctcc aacttaacaa ttaca 405

<210> 18375
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-A9

<400> 18375

ccctacggtc cgganattcc ggggtngncc cacgcgtccg tacaagctgc gagaagagac 60

agaagggata naaatagnaa gtgatgatcc agttggagtc agcttctaaa tatctgtant 120

gttaatggtg gnacattata tccatatttt taatttcata attaatgtta gaaccacaaa 180

gcatgcncaa atggaaaaaa aaaagcggcc gctctagagg atccaagctt acgtacgcgt 240

gcatgcgacg tcatagctct tctatantgt cacctaaatt caattcactg gccgtcgttt 300

tacaacgtcg tgactgggaa aacccnggcg ttacccaact taatcgcctt gcagcacatc 360

ccccttcgc cagctggcgt antatcgaan aggccgcanc gntcgcccnt cccaacagtt 420

gcgcagcctg aaaggcgaat gggacgcgcc ctgtnaccgg gc 462

<210> 18376
<211> 368
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-B10

<400> 18376

ctgcgagaag acgacagaag ggtacggctg cgagaagacg acagaagggt acggctgcga 60

gaaagtaaag agaaaaaccc taatcttcat cttcatcttc tcccgccgtc ggccgtaaga 120

ggtttcgaag aagcaaagtg agcaacaatg gcgggaggca agatcaggaa ggagaanccc 180

aaggcttcga atagagcacc atcgaaccat taccaaggag gaatatcgtt ccacaaatcg 240

aaagggcaac atatccttaa gaaccctctg cttgtggatt cnatcgttca aaaagctggt 300

atcangagta ccgatgttga ttctccnana tnggtcccng tactggaaaa ctttacnaag 360

aaacctct 368

<210> 18377
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-B11

<400> 18377

aagaaagaaa taaaatagaa taagagaact tgttgtagca gttgaagcag aaaataaaca 60

gagtaacgaa tccaacatca caaaacannn cacaaactaa aaaatggctc tgaatagtgt 120

ctcctctgaa gaatttacct tcccatcgct agcttctcat gattcttctc accattccgg 180

tcttgattca cctcctttgt ggaaacactc accggttact tcctttcgcc ggaaagatta 240

cgactttggt ttggcaagat tagtcattgg aaaagacggt gatcatgatc agaggaagag 300

cttctcgtac gtggagatga gaaatcgttg gatcgacgac aaagaanagg agaaaatgga 360

tatgttatgg gaagatntca acgaagaant gcctccaaaa anttcgggt 409

<210> 18378
<211> 443

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-B5

<400> 18378

aaagaagacg acagaagggg aacgaggttg acattaggcg aaaggatctt ctgccggtat 60

atgataattt tcacagtgtg tataccagta tgcgcaacag aggattttct ggggaaagag 120

attcagattc ttcttcttct tctgaccctg gacaagttaa agaaatgcat ccattcaatg 180

gtatggttta ccccgaagat gaggaaagaa gagggagtgc ccattttgca ctaactccaa 240

accaaaatcc tcataccgga attgtaacat ttaaacagcc tgtagtttcc atttcttctg 300

ctgtgaaaga cactgattat atagacgacg acgctcatgt cttgccaaag aacgcctccc 360

tgcccgctga aacaaaantt ganaacagca gtngggataa gtggagattc aaatgtnagt 420

tctaaccgtt ctgtctgacn ttg 443

<210> 18379
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-B6

<400> 18379

ctttctgcgc gccctaccgg tcaagatatc ccgggtcgac ccacgcgtcc gtacagctgc 60

gagaagacga cagaaggggg cagacgcagc catgggtatc gatcttatcg caggaggtaa 120

gagtaagaag accaaaagga ctgctcctaa gtccgatgat gtctacctaa agcttctcgt 180

caagctttac cggtttttgg tgaggagatc taacagcaac ttcaatgctg tgattctgaa 240

aaggcttttc atgagcaaag tcaacaaagc tcctctttca ctctctaggc ttgtagagtt 300

catgactggc aaggatgaca agattgctgt gttggttgga actatcactg atgatttgag 360

agttcatgag attcctgcca tgaaggttac tgccttgagg tttactgaga gggctggggc 420

tanaattgag aaagctggtg gagagtgctt aacctttgac cagcttgctc tcagagctcc 480

attgggacag aacacagttc ttctta 506

<210> 18380
<211> 435
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-B7

<400> 18380

aagacgacag aaggggggaac ctttaaaact cagattttat ctctcttcag tctccacgct 60

gcttgaaact gaagcagaga agcaaagaga tgtcttttga ggagtttacg ccgttaaacg 120

agaagtctct tgtagactac atcaagtcaa cacctgctct ctcttccaag atcggagccg 180

acaagtccga tgatgatttg gttatcaaag aagttggaga tggcaatctc aatttcgttt 240

tcatcgttgt tggatcctct ggttctcttg tcatcaaaca ggttcttcca tatattcgct 300

gtatcggtga atcatggcca atgacgaaag aaagagctta ttttgaagca acaactttga 360

gaaagcatgg aaatttatca cctgatnatg ttcctgaagt ctaccatttt gacagagcaa 420

tggcttgatt ggaat 435

<210> 18381
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-014-Q1-E1-D7

<400> 18381

aactctaaac cacactgaga tggcgaaatg gtggcgaggc ctgagatccg tgacggcgga 60

ggtggctgat cttccggctt cttcattcgg tcgatcgatt cgatgtattc atcagtatca 120

gacgatccag gcgattccac gtgaagctac gggtcgagga gtatcggctc gggatcggac 180

gattggtcgt attcccgccg tcgttttccc gcaatcgctt ctagatactg atgcttcgaa 240

gcgangcgtg tcgaggaagc agctattgac ggcggataag aagcaagatn aagtctatta 300

ttgactctgt tggtctccca ttcntctgtt ctaccacttt ccagcttcag attcgaactg 360

gtcaagggtt cctcgacgcc tttttgnatc cnggtcnaag tttcttcccc.cccaaagggt 420

nc 422

<210> 18382
<211> 488
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-014-Q1-E1-D9

<400> 18382

ttttgagaat cgtttggcct tctaccggtc ttgntatccc gggtcgaccc acgcgtccgt 60

acnnctgcga gaagacgaca gaaggggggg ggtcgcagtg accaggcccg ggcgactgtt 120

taccaaaaac acaggtctcc gcaaagtcgt aggaccatgt atgggggctg acgcctgccc 180

agtgccggaa ggttaaggaa gatttctcaa gaacactcgc ggagagacct gttgctgata 240

tttcnaangt gcttcatnag ctanataccc tgccttccaa gatatctnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnan gatgaatggt gtgtgctaag 420

caagtgtgtt gcctttgtgt ggaaatgaan aagtacttcg aagacttgcg tttatcagtt 480

tantgttg 488

<210> 18383
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-014-Q1-E1-E6

<400> 18383

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aagacatagt catgggagag gtgaaagtag acgacgatgc gattcttaaa tccttcctcg 120

ccgaggtcgg agaagttgag agagataacg aagtcggcag gattctctca tgcttcaagc 180

tgaattcgtt tgagcatctt aacctctctt tcgattcttc cacggatgat gttaaaaggc 240

agtacagaaa gatttctttg atggttcatc ctgataaatg caaacatcca taancacang 300

aggctttcgg agcattggna caagcgcaac aactgctgct naacgaccna gaaanagatt 360

atattcctac cnagtccntg cngcagaagn angagcttcn atgaagagan anaaacngtt 420

tnngaananc cgcctctnaa ataaagtccc tgggttng 458

<210> 18384
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-014-Q1-E1-D11

<400> 18384

ggctgcgaga gacgacagaa ggggggaaag aagaagaacg gctgagttaa aaaacaacct 60

tgaatcttat atatatgcta ccaaagagaa gctggaaaca cccgagtttg aaaagatatc 120

cacccaagaa gagcgcaagg cgtttgttga aaagcttgat gaggtgcaag attggcttta 180

catggatgga gaagatgcta atgccacaga gtttgagaag cggcttgact cacttaaagc 240

catcggcagt cccatatctt tccgatcaga ggagcttaca gcacgaccag tagcaattga 300

atatgctagg aaatacctaa ctgaactcaa agagatnata aaagaatggg angcgaacaa 360

aacttggctt ccaaaagaaa aaatcgacga ngtctcaaag gaagcagaga aagtta 416

<210> 18385
<211> 256
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-014-Q1-E1-F12

<400> 18385

tcttactggg cgggnctatc ggtntantcc atcccgggnc gacccacgcg tccgnacaan 60

tgcgagaaga cgacagaaga gtacggctgc gagaagacga cagaagggta cggctgcgag 120

aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 180

acagaagggt nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn gcggcc 256

<210> 18386
<211> 551
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-014-Q1-E1-F5

<400> 18386

tttgttctcc tggggtgnac gaatccggac ntcgcgcngt cgacccacgc gtccggctga 60

gagaaagacg acagannnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn tggctagtgg aatcgctcgt ggtcgtttag 180

ctgaagagag gaaatcgtgg aggaagaatc atcctcatgg ttttgtggca aagccggaga 240

cggggcagga tggaactgtg aatctaatgg tgtggcattg cactatacct ggcaaagctg 300

ggactgattg ggaangtgga ttctttccat taacgatgca cttcagtgag gattatccga 360

gcaaacctcc gaaatgtaaa tttccacaag ggtttttcca ncctaatgtc tatccatctg 420

gaactgtccn gtctctctat ncctaaccga ggatttatgg atngagacca nnctctccn 480

tnnaacccna ttcctgttgg nattcacngg ttttcntttc accaccgaat ccccctgaac 540

ctggacanaa c 551

<210> 18387
<211> 220
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-014-Q1-E1-F6

<400> 18387

ctgcgagaag acgacagaag ggtacggctg cgagaagacg acagaagggt acggctgcga 60

gaagaccaca gaagggtacg gctgcgagaa gacgacaaaa gggtacggct gcgagaagac 120

gacagaaggg tacggctgcg agaagacgac agaagggtac ggctgcgnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngcggcc 220

<210> 18388
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-014-Q1-E1-F9

<400> 18388

ggaattttct tggcgggtct accggtcana gattatcccg ggtcgaccca cgcgtccgca 60

anaagacgac agaaggggga cgacaattca aacttgtacg gactaagacc agactctctc 120

tgacgttgtc agatctgcga cctgctagcg agaggatgcg agaggaaact gtggtttacg 180

agcaggagga gtctgtttct cacggcgggg gcaagcacag gatccttgca gagcttgccc 240

gcgttgaaca ggaagtcgct ttcctggaga aagagttgaa ggaggtcgag aacacagata 300

ttgtatcaac cgtgtgtgag gagctgctat ctgtcatcga gaaaggaccc gatcctctgt 360

tgccactaac caatggacct ttgaacttag gatgggaccg gtggtttgaa ggaccaaatg 420

gangagaagg ctgcagatgc ttaatacttt gattccctag acnnagttat gtgttacata 480

tactagtttc ttgctag 497

<210> 18389
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-014-Q1-E1-G10

<400> 18389

ctgcgagaan acgacagaag ggtacggctg cgagaagacg acanaagggg gcggaaacaa 60

aaaactaaga acggttccat ttgttttcat tgtctagann agaagaagaa gaaggatgtg 120

tttggtgttc gtgtgtgatc aggacgagag ggtgatcgga aggtacgcag ctcctgnanc 180

gtgtccgtac tgcgggagga acggttcaag tggttgacgt aaatagccag tggagattct 240

gcttcgttcc tctctctaat aaatcccana cgtcgtccat ctctgttcca actttgccgg 300

caaaccnact ccatcgtcca tgggctgaaa aacanaaact cccacctcca taacaanatt 360

atttccaana atgtccatat ntcccaaatc cctgaacttg ccttt 405

<210> 18390
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-014-Q1-E1-G11

<400> 18390

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cgagagacga cagaaggggg aagtcatgga acaacaacct catcgaagac gacgcccaaa 120

cccaaaaaag gtctacattc ggagaacatt ctccttgacg acnaggactc gtcggctacg 180

ggaggcatgg tcacaccgcc agactcagat gctccgtcca aattcaggaa gccacgcgcg 240

caccggaaga ggatggagga cttggagagc ctcggtatca gtagcccgtt caagaagtct 300

tctcgaaggg ccaagaaccc cgtttacgga ccaagatgac cgcgaaatct tggaggggct 360

ggagaagtac ggcccagctt ggactaaaat ccagcgggac cctgcctttc atctacagag 420

cccggcagcc gacagatttg agggaccgtg ttcgcaacaa gacancccg 469

<210> 18391
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-014-Q1-E1-G12

<400> 18391

gaactggttt cttttgcccg gncnancggt aanggacatc ccgggtcgnc ccacgcgtcc 60

gcccaancgt ccgtacggct gcgagaagac gacagaaggg ggatctagag ttgagaaagt 120

gttggaagct gttcacattg catccaacan aaacactgtt cctgggagat gtttctgcca 180

tggttcctgg tggaatcaga atgggtactc ctgctctcac ttccagaggc tttgttgagg 240

aagactttgc caangtagct gaatacttcc gacaaagctg tgncaatngc tcccaaagtc 300

naatctgaag ctcaagggac caagttgnag ggtttcntgt cngcaatggg atcctcctca 360

accatncaat ccgggattgc gaaactgngc catgaagtcn anggattcgc taagcagttc 420

ccaacaaatt gggtttgaga aagaaaccat gaagttcnng aactanccgt ttcacccnca 480

agtgttttcc gttangcctt gaattc 506

<210> 18392
<211> 492
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-014-Q1-E1-G4

<400> 18392

cacggccccg gacatcccga atcgacccac gcgtccgtac anctgcgaga agacgacaga 60

aggggaaaga gaaaagcttt gagtcttcca ttgacatggg cgcttagctt atgcttgaga 120

tattttgttt ttacctccga gaaacggatt tagattcgta atcgtgagtt ttttggtgta 180

atggagatcg ctactgtcgt aaaggctaat ggcgttgtcg attcaagcac atccagataa 240

gaaattagca aagaaaatgc acaaagctca tcctaatctt tataaagacg acaatcacaa 300

accagagatg gctttggcct atactcaatt cgaggctctc tgtggcttta tacctcctca 360

ggagcttaag aatgtcattc cgagctaatc ccggagaatt gaagaacttg tttgganttg 420

aanaancaaa acaagttttc tgtatcactg gacatgatta gggaaaaatn taatctgttt 480

tcccaaaaac ct 492

<210> 18393
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-014-Q1-E1-G9

<400> 18393

gaattttctt cgcgcttcta ccggtcanga ncatcccggg tcgacccacg cgtccgcaca 60

ancgtccgcg gacgcgtggg cggctgcgag aagacgacag aaggggaggt agtgctgaaa 120

cacacaggag acgacgagtc gtgttcgcca cgtcagatgg ctgagaacat catctcttac 180

ctgcaaaaca aaggttatct tgagggctaa gtcaaagtcg gaaaaatcaa cccaatttgt 240

cgattctata tatggctaaa ggattgttct ccctgattcg gtcagaagct tgagacctgg 300

aaacgatgtc gtctcgcttc gtcacactat catttgttct tgaattgtgt tgaagtcaaa 360

agccaaaggg aatatatcta tatttgttct aatcatcatt tagttagttt ataaaagagt 420

tttgctncaa tgatatcgac tgtgttgtat aatgtgaatn ataaagtngg atttcgttgt 480

atttaccaaa naaaaaa 497

<210> 18394
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-014-Q1-E1-H6

<400> 18394

caagcgtccg tacggctgcg agaaaacgac agaagggctg ataagggaaa gtttcttctg 60

gcggcgcgga ggtttaggac cggtgcttac actgagtaca tcatatcact tgatgctgat 120

gatttctctc aaggaagtaa tgcctacgtc ggaaaattaa gatcagattt tcttgggacc 180

aactttacag tatacgatag ccaaccacca cacaacggag canaaccttc aaatggcaaa 240

gccagtcgca ngatttgcat caaagcagat aagccctcaa gttccagcag ggaacnttga 300

agtccggtca tgtttcntag naattcaacc ntttnaatca agnagtccna agaagaatgg 360

taagcacact nngggnccca tcaagcntca accttcanca agcatccgct gggnctcccg 420

tcttgaacaa aangccatgt gatgttgncc angctnattg nccaaaaccc acaagggtgg 480

gntccaacct tgggatacg 499

<210> 18395
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-014-Q1-E1-H9

<400> 18395

tatggtataa tatcncgggt ccgacccacg cgtccgaaaa aacgtccgcc cacgcgtccg 60

tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga agggggcgat 120

cggagaagaa aaagctcgag agacgccatg gaaatttccc aagctcgttc aagcttcgtt 180

tgtcttcttc ttctgttact ctccatgtgt ttcgttccct gcgtcttttc caaatctcct 240

cgtcctatct ccgatgtgga gatcaggcag aagaagagcg aatgctacgg tgatatagag 300

agtgggttat ggggttggca atgcaaatct tctgcagtag cgaangagaa ttgtgngctg 360

cgatgccttt ctcnggtttg ctatnaactc atttatgaga gtgatccgct tgaanaaagt 420

gaataagatt tgattaggag ccaagagtac aaggtantgt attacaactc atcact 476

<210> 18396
<211> 421

<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-013-Q1-E1-F8

<400> 18396

ttgacaaatc tctcaaaacc atttgttttg caatcgcaga tccgtttttc ttcgggtctc 60

atcacaatga atggtttctc tgatcttaat ccttctgaga gcaaaccttc tctgtcacaa 120

ctagctccat tagaagccat tctgtttgat gttgatggaa cactctgtga ctcagatccc 180

atccacctta ttgccttcca agaactgctt caagagattg gttttaacaa tggtgtccca 240

atcgatgaga aatttttttgt tgagaacatt gctggaaaac acaattctga aattgctcta 300

cttctgttcc ctgatgatgt ttcaagaggg ttaaaattct gtgatgaaaa ggaagctctt 360

taccgcaaaa ttgttgcaga gaagataaag ccacttgatg gggcttataa aactgaccaa 420

a 421

<210> 18397
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-013-Q1-E1-G1

<400> 18397

ctggttccct tacgtangcc tccggaaatc ccaangtcga cccacgcctc cgcccacgcg 60

tcangtacgg ctgcgagaag acagaagggt acggctgcga gaagacgaca gaagggtacg 120

gctgcgagaa gacgacagaa ggatacggct gcgagaagac gacagaaggg gacaacgaag 180

gcatcttctt catcaattga tctactctgc tctgctcaag atcagaaatc gtcggtttag 240

ttctccggtt aaaagtttcg tctctgcggg aattggaact tcaatggagg gattaaagct 300

ctcagaagcg gaattgatga tttttattca tccttcccaa aacaaaaacg tttttcaagg 360

aatttgtccc gagctcagtt ctcttctatt ccaatataat gaaacctttg atggagttct 420

attggcttat gatgctactg tgaaaaagca aacaagctaa aatcccttac angacttcat 480

ccttactttg gcgtcagagt taacac 506

<210> 18398

<211> 266
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-013-Q1-E1-G2

<400> 18398

ncangcgtcn gtacggctgc aaaaaaagcn gccgctctaa angatccaag cttangtacg 60

cgtgcatgcg acgtcatagc tcttctatag tgtcacctaa attcaattca ctggccgtcg 120

ttttacaacg tcntgactgg gaaaaccctg gcgttaccca acttaatcgc cttgcagcac 180

atccccctttt cgccanctgg cgtaatatcg aanaggcccg caccgatngc ccttcccaac 240

agttgcgcan cctgaatggc gaatgg 266

<210> 18399
<211> 422
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-013-Q1-E1-F6

<400> 18399

agaggatgac caaaatgaca gagagtgtag caaacagcat actgtctgga gtccttaaag 60

tttctggatt cttcacaagt tcagtggcaa acaccaaagt aggaaagaaa ttcttcagcc 120

ttcttcctgg agaagtcatc cttgcatctc tcgacggatt taataaggtc tgtgacgctg 180

ttgaagtagc tgggaggaat gtaatgtcaa cctcttccac tgttacaacc gaactcgttg 240

atcacaagta tggtggtaaa gcggctgagg cgacaaacga agggctcggt gcagcaggat 300

atgcgcttgg cacagcctgg gttgctttca aaataagaaa ggctattaac ccgaanaatg 360

tactcaagcc ttcgacgctt gcaaaaaccg ccattanatc tgcagcttca caaaaaaaag 420

cc 422

<210> 18400
<211> 503
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-013-Q1-E1-G3

<400> 18400

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tccgtacgag aagacgacag aaggggggatt caaacgcatt tgggtaggct gagagaaaag 120

aaaagaaaaa gataaagatg gatcacgcag cagacgctca ccgtacggat ttgatgacta 180

ttacaagatt cgtgttgaat gaacaatcaa agtatccaga atctcgtggt gatttcacca 240

tttttgctta gtcacatcgt tttgggttgc aaattcgttt gcagtgctgt taataaggct 300

ggtttggcta agttaattgg acttgcaggg gaaacaaaca ttcanggtga agagcaaaag 360

aaacttgatg tgctccccta aagatgtcct tgtcaacgcc ttgggtaaca ntggtaagaa 420

ctccgttcct gtcctcggan gaaagatnaa ggaagctacc tttgtggagc catccaaacc 480

ttggaaaatt actgtgtttg ttt 503

<210> 18401
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-013-Q1-E1-G5

<400> 18401

cagaatctga gatcggatct ttagagagag agagaaagat gcagagggac gtgtcgagct 60

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tttctttcga ctggtaccaa tgttactctt ctctccgccc ttttgtccgc agcttcgtct 180

ctacttcttc acgagtcctc atggttggct gtggcaactc cctgatgtca gaggatatgg 240

tgaaggatgg gtatgaggac atcatgaatg ttgatatctc ttcagtggct attgagatga 300

tgcaaaccaa atatgcatct gttcctcagc tcaaatatat gcaaatggat gttagagata 360

tgagttactt tgaagacgat tcctttgaca ctattattga taaaggaacc cttgatt 417

<210> 18402
<211> 486
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-013-Q1-E1-G8

<400> 18402

ccgagtccga nattcccggg tngacccacg cgtccgccca cgcgtccgta cgggcgnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ttctaggaaa aatccgatac 120

tctttggaca gtctatggcc accgatctct acggcgatct ctttccggtt atcacttcgt 180

cactacacat ttgcttcttc cgttttcgta tcggatcgaa tactattcat ctttcttcga 240

atcgggtttc tttgaacctt tgaagctatg ggtgatgcaa tcgatttgag tggagatggt 300

ggcgtcttga aaaagattgt aaggagtgcc aaacctgatg ctatttcacc ctctgatgat 360

cttcctgttg tcgatggtat gttcttaaga ttgactaagt gatcagggtc aatatattgt 420

tcatctactg cttatgctac tcctaattat atgtgttgat gaaggaccat aaccctgttt 480

gatttn 486

<210> 18403
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-013-Q1-E1-H2

<400> 18403

acggccccgg tgntcccgaa gtcgacccac gcgtccgtac agctgcgaag acgacagaan 60

ggggggggtcg cagtgaccag gcccgggcga ctgtttacca aaaacacagg tctccgtaaa 120

gtcgtaagac catgtatggg ggctgacgcc tgcccagtgc cggaaggtta aggaagttgg 180

tgacctgatg acaggggganc cggcgaccga agccccggtg aacggcggcc gtaacaataa 240

cggtcctaag gtagcgaaat tccttgtcgg gtaagttccg acccgcacga aaggcgtaac 300

gatctgggca ctgtctcgga gagaggctcg gtgaaataga catgtctgtg aagatgcgta 360

actgctgtga ctactgaatg tgcttttgat gcattgaatg cggcgtcctt acttnaaaga 420

gaantnnaag atgcctccan anccgaagga aattcattgg aaaagaaant ttctgccttg 480

aaaagccaat taaat 495

<210> 18404
<211> 489
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-013-Q1-E1-H6

<400> 18404

tacaatcgca catcccgggt ngacccacgc gtccgtacag ctgcgagaag acgacagaag 60

ggggacgaag acaaaacaaa anaagcttcc cccaagaaca aaaagttagc atagatgaag 120

agtcttcggg ttttgtagtt tttgtaaaac agaaaaaaaa aaagagaaga agagatggga 180

ggttgctgtt gttgttcttc ttcacgaaga gctgatgtag ataatggacc tgcgtactac 240

tacccaaggg caacanaaga gcgtgtgcct ttatcttccg ctcataacag gacttcctct 300

gcaatctcta ctggtgttgt antagtagac acaaacttag agacatcatc tcctgatgct 360

tatataccac cgccactgcc tacccctttc gatgtgccta tagggattcc tcaaacacca 420

gctagtggtg aagaggctac ttgtgttgat ataagagaag tttcggtgga ctctgctaat 480

accgagtct 489

<210> 18405
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-014-Q1-E1-A10

<400> 18405

gaagggtacg gctgcgagaa gacgacagaa gggggtggac caaaatcgtc cattgaagtg 60

aacagtcagc atcgttttgc ttgcttgtgc gtttctctcg aactctctcc atggctgttg 120

cgcttcaatt cagccgatta tgcgttcgac cggatacttt cgtgcgggag aatcatctct 180

ctggatccgg atctctccgc cgccggaaag ctttatcagt ccggtgctcg tctggcgatg 240

agaacgctcc ttcgccatcg gtggtgatgg actccgattt cgacgccaag gtgttccgta 300

agaacttgac gagaagcgat aattacaatc gtaaagggtt cggtcataag gaggagacac 360

tcaagctcat gaatcgaaga gtacacctgt gatatattgg agacactga 409

<210> 18406
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-014-Q1-E1-A12

<400> 18406

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acgtccgtac ggctgaagac gacagaaggg tacggctgcg aggagacgac agaagggtac 120

ggctgcgaga agacgacaga agggtacggc tgcgagaaga cgacagaagg ggtaaacgga 180

agaatcgaag atagaaacga caacaaggca gtttcttgtc tcaattggct ggattcgcag 240

ccggaaaaga gtgttgtgtt tctctgtttt ggaagcttag gtttgttctc aaaagaacag 300

gtgatagaga ttgctgttgg tttagagaaa agtgggcaga gattcttgtg ggtggtccgt 360

aatccacccg agttagaaaa gacagaactg gatttgaaat cactcttacc agaaggattc 420

ttaagccgaa ccgangacaa aggggatggt cgtgaaatca tgggctccgc aagttccggt 480

tctgaatcat aaanca 496

<210> 18407
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-014-Q1-E1-A7

<400> 18407

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taagaccatg tatgggggct gacgcctgcc cagtgccgga aggttaagga agttggtgac 120

ctgatgacag gggagccggc gaccgaagcc ccggtgaacg gcggccgtaa caataacggt 180

cctaaggtag cgaaattcct tgtcgggtaa gttccgaccc gcacgaaagg cgtaacgatc 240

tgggcactgt ctcggagaga ggctctgtga aatagacatg tctgtgaana tgcggactac 300

ctgcacctgt accagaaaga ccctatgaan cttcactgtt cctgggaatg gcttttggct 360

tttcctnccg cagcntnagt ggnaagncaa aaaacggccc cctccggggg gggnt 415

<210> 18408
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-014-Q1-E1-B12

<400> 18408

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cgtccgccca cgcgtccgta cggctgcgag aagacgacag aagggtttcg agcaaaattt 120

ctgagcaacg gcgacgatgg gagacaccgc cttggagaag acagcggaag agctacggca 180

tgagatcgat gagcttcacc gtcaacagcg tgagattacg gagaggcttc gtgaccctcg 240

tggactccgc cgtggaggct tctcaaacgt cgctcctcgc aaccaaggcc gtagaggctt 300

tcctcgacct gcggagagga atgacgtaga agacgagcct cctgctaaaa ggagattgtc 360

ttccgccgtt gttaaggtcg acggtgaaga tgttagtaaa gatggagaat ttccagttga 420

tggtaatgga acccangtta aagttggtga gaatgggact tctgatnaaa gtgacaaaga 480

aacaatctgg tcctc 495

<210> 18409
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-014-Q1-E1-C12

<400> 18409

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ttcccagatt ctcatttttg cagagatttt aggaggaaca tgattgtttg aattgggaga 120

gacattggtt cgtgtaaaat gcgggtgctt ggtttgagct caagcttatg ctctggtgag 180

gataaggaag aagaagagat taatggagaa ggctctctca cgcctgttta tctcaacgtc 240

tatgatctaa ctcctgtcaa caattatctc tattggttcg gccttggcat atttcactct 300

ggcattgagg ctcatggttt cgaatatgga tatggagctc atgagtattc ngagcantgg 360

ggtatttgag gttgaancta aggagctgtc cangtttcat cttt 404

<210> 18410
<211> 412
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-014-Q1-E1-D10

<400> 18410

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aaggatatcg tttcaaaggc ggagcttgat aacttgcgcc agagcggcgc accagtcgtg 120

cttcacttct gggcttcttg gtgtgatgct tcgaagcaga tggatcaagt tttctctcat 180

ctcgctactg atttccttcg tgctcacttc tttagggttg aagctgagga acatcctgag 240

atatctgagg cttactctgt tgctgctgtg ccttatttcg tcttcttcaa ggatggtaaa 300

actgtggata cacttgaggg tgcagatcca tcaagtttag ctaataaggt tggcaaagtt 360

gctgggttct agtacttctg cggagcctgc tgctcctgca aagcttaagg tt 412

<210> 18411
<211> 459
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-011-Q1-E1-E7

<400> 18411

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aaatgaacaa cttaattagc tctctcgaac tcacatctct tacacttgaa gacccatggc 120

ctgctttcta gcctaaattt cctcgagaaa acaagcaaaa aaacacaaga aagctagaat 180

cttatttttct tcttggtctt tcttggtttc ttcaactttt tcttaaaaac gttttcaaaa 240

aatcatgggg aaccggagaa aaaaccctga agaacttcca attacatcgc aaacaatcag 300

tcnaagtcna agatgttcca aaagggtgtt taaccattaa agtgggatng caagggagaa 360

gagcaacaga ganttaacct tcctggtttg natttaanca tccaatggtc aagcaactcc 420

cgaaaagaaa ccnaagacca atttgggatc catttaaaa 459

<210> 18412
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-011-Q1-E1-E9

<400> 18412

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ctgcttcant gatgctatct tcggtgacat tgaaaccagc tggtttcacg gtgganaaga 120

cggcggctan aggattaccg tcgctcacaa gagctcgtcc ctccttcaaa attgtcncca 180

gtggcgtcaa naatatcaag accgacaagc ccttcggaat taacngcagc atggacttga 240

nggacngcgt ctacgcctcc ggcataaagg gcatgggata cggtgtttac aantacgtcg 300

acaantatgg agctaacgtc natggataca gtcctattta caacgagaac gagtggtcag 360

ccaatggtga acttgtacaa gggaagantc accggantgg caaatttggg cggtaactct 420

ccgccngnaa ttcttgccgg angtgccctt cttgtgt 457

<210> 18413
<211> 517
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-011-Q1-E1-E4

<400> 18413

ntgtcttttg ggtcgcccgg tccggaccat aacggggtcg acccacgcgt ccgcccaanc 60

gtccgtacgg ctgcagaaga cgacagaagg gtacggctgc gagaagacga cagaagggta 120

cggctgcgag aagacgacaa aagggtacgg ctgcaagaag acgacagaag gggttcactn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnng cggccgctct anaggatnca agcttacgta 240

cgcgtncatg cgaacttaat aactccttca atatgtcacc taatttcatt taacnggccn 300

tcgtttnana acttcttaac tggaaaaacc ctggcnttac cnaacttaat ccccttgcag 360

naaatccccc tttcgccanc tggcttatna ccaaaaagnc cncaacnatt tcccccttccc 420

aaaattttcc nancctgant ggcaaattgg aacccccctt ttaccggggc atttaanccc 480

cggcgggntt ttgtggntta ccccccaacc ttaaccg 517

<210> 18414
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-011-Q1-E1-F11

<400> 18414

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tcncacttac ccaagaaaag ctttttcgc gttttccacc ggnaaccacc gtcaccttna 120

accgccggng ccgccgcaag gaaggctcat catccgccgt ggcaattttt tgaggtgtac 180

aangcattgc ctatttgang aaccaggaaa tggttaaaag gcatggatag ttttgnttta 240

caagatatat cangtcgcan tgcatagacg gtttcaagca tgtatgctcc tctttttcc 300

ggtgtttga tatcgatatt tacagacaat ctgggaggcc ttggtgaccc tgaacttctt 360

gcgaganaga cagtttttag cgtgagtgaa atanaggctc nctatgagct gtttaanaaa 420

atcagcagtg ctgtgantga tgatgggcta ataaacaagg aaaaanttca gttanccttg 480

ttcaagacaa ataa 494

<210> 18415
<211> 518
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-011-Q1-E1-F12

<400> 18415

tngcccgccc gtccggaaat caagggtcga cccacgcgtc cgtacggctg gaagacgaca 60

gaaggggaag gcatgaaaga ggcaactaat ggctatgatg agagcagaat cttgggccag 120

ggaggtcaag gaacagtcta caaagggata ttgccggaca acactatcgt tgctataaag 180

aaagctcggc ttgcagacag tagacaagta gatcagttca tccacgaagt gctcgtgctt 240

tcacaaatta accacaggaa cgtggtcaag atcttgggtt gctgtctaga gactgaagtc 300

cccttgttgg tctatgaatt cattaccaat ggcacccttt tcgatcactt gcacggttcc 360

atttttgatt cttctcttac atgggaacac cgcctcagaa tagcgataga agtcgctgga 420

actcttgctt atcttcactc ctctgcttct attccaatca tccatcgcga tatcaaaact 480

gcaaatattc tcctggatga aaacttaact gcaaaant 518

<210> 18416
<211> 504

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-011-Q1-E1-F4

<400> 18416

gtcnttttgg cacgcccggt ccgggacatn acgggtcggn ccaacccttc gntncnntgn 60

angangacga cagaaggggg acatggtgga atgtatancc gttatgatgg aatttcatta 120

ccgtgggatg aacacgccgt gacttcttgt accggaggac tgggtaaccg aagcacaggg 180

gataatttca atggagttcc aaatgttgat cacactcagc attttgttag gaaagatata 240

attggatggc ttcgttggtt acgcaacacc gtcgggtttc aagatttccg ttttgacttt 300

gctangggtt attcagcaga ctatgcgaag gaatacattg gcgcagcgaa accattattc 360

tcggttggng aatgttggga ttcttgcaat tacaatggcc atggtctana ctataatcaa 420

gatagccata gacagcgtat aatcagttgg atcatgcgac gggacanatt tctgctgcat 480

ttnacntcac aactaaagga aatc 504

<210> 18417
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-011-Q1-E1-F6

<400> 18417

cactttagca cggtgcgaca agatggcgag ctcagtgacg ctgcttctat ggagtcttct 60

tcttctcggt acactaagcg ctattcaggc caaaaagtct aaggaaaact taaaggagat 120

cacacacaag gtttattttg atgttgaaat tgatgggaaa gcagctggtc gtattgtcat 180

gggtctattt gacaagacag tccccaaaac tgtagagaat ttccgagctt tatgcactgg 240

ggagaaagga atangtaaga atgggaangc gctccattac aaggggaatt catttcatan 300

gatcatacca agctttatgc tccaaggang cgattttaca catggaaatg gaatggggaa 360

gagaatctat ctaaggtgan aaatttgctg atgagaactt caaactcaan catt 414

<210> 18418
<211> 425

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-011-Q1-E1-F8

<400> 18418

aagacnacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgaaagacga 60

cagaangggg acgagaaaat ccagatcggg aatcaactta gagaagaaga aaattaanan 120

agagaacttc taaagatgaa tttggggttc ttagttggag ttttcggcgt tcttattctt 180

tctcatgccg cttattcaac aatccantat anaggattgt tgangattat ggaggaagag 240

ttttctcgac caccgattaa tgttattctg gagttgatca ttggactagc tctgtgtatg 300

tgggttgctt tgactttccc tggcaaattt ctctcgattc atccggattc tgatgaaaac 360

agggcggtgt tttaccanat aantcggatt catgatattc aatcaccgtn acagactgtt 420

ccaac 425

<210> 18419
<211> 509
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-011-Q1-E1-F9

<400> 18419

aactggtttg cttgcgccta ccngtccgga aatccagggg tcgacccacg cgtccgtacg 60

gctgcgagaa gacgacagaa gggggtcgga gattaccaac aagagctctc tccaatcgtc 120

gtctctttga tatatggcgt ctcagcctgc aggtggcagt cctcctaaac cttgggaaaa 180

agaaggaaat acatctggtc ctaatccttt caggcctcct tctaatacta gcacggctgg 240

ttcagttgag gcttctggca cagctaatcc tggtgaagta nttcctccgc ccgtgaacag 300

gcctaataca gctgctaata tgaattcact cagtaggcct gtaccggcta gaccttggga 360

acagcataat tatgggagca ctatgggggg gaggttatgg ttcaaatcta agtatgacct 420

ctgggtatgg gtcangtaca tatggttcaa cattaagtgg ggtatggttc ancatatggt 480

ggtgggatgt atggaagtaa taacatgtn 509

<210> 18420
<211> 496
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-011-Q1-E1-G2

<400> 18420

cccggtccgg acatnacggg tcgaccnacg cgtccgtacg gctgcgagaa gacgacagaa 60

ggggcgaccc caggtcaggc gggattaccc gctgagttta agcatatcaa taagcggagg 120

aaaagaaacc gctagttctc aaaaacaaat ccccaagatg gcatgagcag ttgcagtgct 180

ggtgcctcaa cttcaaggga agagtgactg tggcttcagt taagaatttc cagcttgttg 240

cagagattga cgcttctttg gatgcgccgc ctgaagaaca tgagagggtg atcttacagt 300

ttggcaaaat cggtaaggat attttcacca tggattatcg ctaccctcta tctgcttttc 360

aagcctttgc tatatgcatt aacaacnttg acaccaaacc nggcatgttg aanggtaaac 420

ctttaaccca ccgagtttaa tccatcccct gcaaatccat ccatanaaan gggntttcca 480

aaccttaagg gtttna 496

<210> 18421
<211> 510
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-011-Q1-E1-G4

<400> 18421

agnaatttgt ctgcccgctc tntcgggana taangggtcg acccacccct tcnttacggc 60

tgcaagacga cagaaggggg gggtcgcagt gaccaggccc gggcgactgt ttaccaaaaa 120

cacaggtctc cgcaaagtcg taagaccatg tatgggggct gacgcctgcc cagtgccgga 180

aggttaagga agttggtgac ctgatgacan gggagtcggc gaccgaagcc ccggtgaacg 240

gcggccgtaa ctataacggt cctaaggtan cgaaattcct tgtcgggtaa gttccgaccc 300

gcacgaaagg cgtaacgatc tgggcactgt ctcggagaga agctcggtga aatagacatg 360

tctgtgaaga tgcngactaa ctgcanctgg acagaaaaga cctatgaaga gatttggggg 420

gacgtccaag ttgcattaag ccgtgcntac aattcctgtg tcataataat ttgaacatgc 480

tctaactgtt ancgtttgat gaatgacaaa 510

<210> 18422
<211> 415
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-011-Q1-E1-G5

<400> 18422

aatttgcanc agagattcga gatccggcaa agaaaggatc caggatttgg ttaggcactt 60

ttgagagtga tattgatgct gcaagggctt acgactatgc agcttttaag ctcaggggaa 120

gaaaagctgt tctcaacttt cctttggatg ccggaaagta tgatgctccg gtcaattcat 180

gccgaaaaag gangagaacc gatgtaccac agcctcaang aacaacaaca agtacttcat 240

cattgtcatc aaactaatgg gggaatagtg atgtttaatt agtatatata ngttaatatc 300

ttaagtatgt gaaacgtcat gtatagagcc aagaacctgt tagactaatg tactgaaaag 360

aactcttgca aaatatgtac tgaagaattc ctgtaacaat ggaacttttg cnttt 415

<210> 18423
<211> 507
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-011-Q1-E1-G6

<400> 18423

gtcngttggc cgctctaccg gtcangantt cccgggtcga cccacgcgtc cgtacggctg 60

cgagaagacg acacaagggg tacaacacca tggaagtttc actaagcaac tgaggcatta 120

catttctgag ttcgatccca anatattgcg gagatgcgca aaaccaaggt cacatgaagc 180

aaaaatcctg atagaaaagc agagtttagc tctttttggt cctgaggaaa gcagcaaaga 240

gagcattgtg acatcgtttt ctagcctgaa gaggttgctt cttgaggctg tggcgtttgg 300

tacgtttcta tgggacgcag angagtatgt agatggcgcg tttaagctca angagaatga 360

ngatgcagat gaagaaacaa atancaattg tttgaagtat gtatgaacca gtttgcctag 420

aanaaaactt gaatatcctt tttggtggac attgcatata atatatagat taaatcaggg 480

tcaatngcca tatgaaanta atttttg 507

<210> 18424
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-011-Q1-E1-H1

<400> 18424

gacgacagaa gggatggatg agctgatcaa gtcaatctct ctgatagcta agaactttgc 60

ttatgtcccc atgctttcac gaactcatgg gcagccagct acgccaacaa ctttggggaa 120

agaaatggcg aattttgctg tgaggttaag cgaagaaagg agatatcttt cagaaactaa 180

gattaagggg aaatttgcag gtgctgttgg gaactacaac gcccatattt ccgcatattc 240

gaatattgac tggcctcatg tttccgagga gtttgttact tctcntggat taacattcaa 300

cccatacgtg actcagattg aacctcatga ctatatggct agacttttta ataatatcaa 360

gccagttcaa cactatttta attgaatttg acagagatat atggagctac atatctccan 420

ggtacttaaa ca 432

<210> 18425
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-011-Q1-E1-C1

<400> 18425

gaatttgtct ggctcgcccg gtccgganat nangggtcga cccacgcgtc cgtacggctg 60

gagaagacga cagaaggggg agtttgatgc agacatgctc aagatacgta atgagtctgc 120

aatcagtgct ttatatgggg atctcccgag gcaatgcaca acctgtggtc tacgcttcaa 180

gtgccaagaa gagcacagta agcacatgga ttggcatgta accaagaacg gggtgtccaa 240

gaaccataag cagaaccctt ctcggaaatg gtttgtaagt gctagcatgt ggctcagtgg 300

tgcagaagca cttggagctg aagcagtacc agggttcttg cccacggagc caacaacaga 360

aaagaaggat gacgaagata tggcagttcc tgcagatgaa gaccaaactt catgtgcatt 420

atgtggtgaa ccatttgaag acttttatag tgatgaaacc gaaggaatgg atgtcaaagg 480

tccgggtata catgaatgct cc 502

<210> 18426
<211> 530
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-011-Q1-E1-C10

<400> 18426

antggtctgc ttgcgcccgc cggtccggga aatcaagggn cgacccaccc gtccgtacgg 60

ctgcgagaag acgacagaag ggggctaact cccaaaaaaa aaaatggngg cgtttttgca 120

aacgaacatc agtctgaatg cgatcaagat cgtcccgggg aaatacagtt ctctcaccga 180

tcatcagttt cgtgcgccgt atcgaattag gtgcgccgcc gcttcacctg ggaaaaaacg 240

gtataacatc gctctgcttc ccggagacgg tatcggtcca gaagttatct ctgttgctaa 300

gaatgtgctt cagaaagctg gatctctcga aggactggag tttgatttca aggagatgcc 360

tgtcggagga gcagccttgg ntttggttgg agttccattg ccggaggaaa ctttcacggc 420

tgcaaaacta tctgatgcca atcttcttgg agctattggg agggtacaaa tgggacaaga 480

atgagaaaac atctgagacc tgagatggcn ctgttttacc ttaaaagaga 530

<210> 18427
<211> 525
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-011-Q1-E1-C11

<400> 18427

gtctcttgcg cncgccgtcc ggaaaatcaa gggtcgaccc acccgtccgt acggatgcga 60

gaagacgaca gaaggggata acggagatct gcanngtaga aatancgaag gagagaaaga 120

gantgcatag tcgtgcatgt cgatggcgat naaagcngga aangtgttna gaacggnnac 180

tgctgctgcn aggaagttcc aacagaaaca nttctcagcc tcatcttcgg cgtttccaga 240

gccaccaccg gtgtctccat cttccggtgt angagcattt ctgggtattc ccaagattat 300

tcgctcggaa tccgatttat tactctccaa gtacatcann attgcccang gtcnattgac 360

taagaanggt gattacacag aggagaagct anataaaatg ttgtctggtg aagacagggt 420

atggatcggt gagaccatna agttactcga tggtcncaac actggactag tatcntctaa 480

aaaaccaaac tccggtcgat tcaaaaagtg attcctctgt ttcca 525

<210> 18428
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-011-Q1-E1-C3

<400> 18428

gcgtccgtac agctgcgaga agacgacaga agggggagat aattcatttg gaattctctt 60

taaaagttta gtgatcggag gcttctcgat tttctctctc ttctctcact tgaatttttc 120

agagaaagaa aaagcgattc atgacaagac tccgtccaac atcgttcggc ttctttaacg 180

acgatggttg gttcgtttcc agcatcaatt ggcttcttta gtggtggtgg ctggcttttg 240

tatccggacg tggtccggct ttgccgtctt atctcgccgt ctgatcgttg ctgttctgga 300

gaaatttaga tcaaatataa actctggata ttgtggagca nagagtcaga tttacaagcg 360

tgatgagatt gtcgtanagg aaatggtggg ttatccggat tgatggtggt gctgggagat 420

aacgatgaaa caatcatcgg cgttagaaaa aaa 453

<210> 18429
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-011-Q1-E1-B7

<400> 18429

agaagggatg ccacaactgc atcaaacgcc gaanaaagca nttggggtac ctattgccct 60

ggagaggaac ccagtcctcc accggagtat gaaacttgtt taggtgactt gtacagtgtt 120

gcttggatgg aagatagtgg tatgcacaat ttacagactg anactctgca ccancantat 180

gaacttgtga aaaggatgac tgcacctgtt gggtactctt atggttctca tgtcatgcaa 240

tatggcgatg tangaattag caaggataat ctcgatcttt atatgggaac aaaccctgcc 300

aatgacaatt ttacctttgc ggatgcnant tcactaaagc cancttcaag agttacanac 360

caacgtgatg catatcttgt ncatttttgg gaaaatnccg aatngcacca naaggttcaa 420

caaga 425

<210> 18430
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-011-Q1-E1-C4

<400> 18430

gcgtccgtac ggctggagaa gacgacagaa gggggaggaa cagttcagac aagtgttaac 60

aacgtaatag atgaggttct tggaacttgt gagatttttg aggaaaaaca agttggtggg 120

gagagattta atatattcag tggttgccct tcaggacgaa cagcaactat tgttctccgt 180

ggtggagctg atcagttcat cgaagaagct gagcggagtt tacatgatgc gattatgatt 240

gtgagaagag ctgtgaagaa ctcaactgtt gttcctggag gtggagctat agatatggag 300

ataagcaagt acctgaggca gcattcagga acaattgctg ggaaatcaca gcttttcatc 360

aactcttatg ccaaaggctc caaaaggtta ttccacgaca ntccatgtta ataaaggctg 420

gatttgatgc aacctgacn 439

<210> 18431
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-011-Q1-E1-C6

<400> 18431

ggctgcgaga agacgccaga aggggagaaa aagagagatg gctgaagcag cgagaagaca 60

angtggtggg agaccattac cgccacctcc gagaggcgtt aaccaacaac ctcctcgccc 120

taaacctgaa cctgtcgatc gtgaaaagac atgtcncctt cttcttcgtg ttttcaccaa 180

naagtggtgg tcatcatact aagtgaagan tatgctgtga gaggcaaaga accaaaggat 240

gaagttcaaa tctacacttg gaaagatgcc aatcttcgcg aagctaacan gtttggttaa 300

aagaagtttc tgttancanc taaggagaaa ggaatgccta aaattgtcct tttgccgttt 360

tgtttatccc taaacaaata aaanggttgg ctataaatgt naagaanaag gtttgggga 420

aaacgaatng gctttatcca aaanccgaaa aaac 454

<210> 18432
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-011-Q1-E1-C7

<400> 18432

gcgtccgtac ggctgcgaga agacgacaga agggggaggc atcttcgttt gatacaaggc 60

gaaatcgann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

ngaaaccatt tgatcgatct ctcaggttac ttagaatggc acaagaagcc gatgggatca 180

gattggacca aagacatggg aaggctcgag tgagagttgg aagagtttgg cgtcatgctc 240

atgatggatc tcatcacttt gttgaatgga atgttagcat cagtcttctc tctcactgtc 300

tctcttctta ccgtcttgat gataactctg atattgtcgc cacagatacc attaataaca 360

ctgtttatgt gaaagccaan gaatgtggan atcggctctc cgtggangaa nttgccatac 420

tttattggga aaacactttg ctcattttaa ccac 454

<210> 18433
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-011-Q1-E1-C8

<400> 18433

ggctgcgnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnctattctt 120

acgctttctt cgatcgtcga tttgattttt tcccttcctt cttatttttc tcggttgaag 180

tanaagataa agcatcgata catgatggct gattgataag agttttctcc ggagaggttc 240

ggagtttttt tttagaaagg aaacattaaa aaanatggca gtctcttttc ctcgtcttcc 300

gangtggttg tgtggtggta gtaacactaa agatagagaa gaaagaaaga gtcaattcct 360

aaangatctc ctcaacttaa tccntcactg aaagaagact actactanta agactgggtc 420

ctccc 425

<210> 18434
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-011-Q1-E1-D2

<400> 18434

aagacgacag aaggggacct cannnaaanc atcgaaatct tanagaanaa nanaanaana 60

agaagagaaa tgacagagaa gaaagagatg gaagtggtga aagggctcaa cgtggagaga 120

tacatgggcc gttggtacga gattgcttct ttcccatcan ggtttcagcc aaagaacggc 180

gtcnacactc gcgccaccta cacccttaac cccgacggta ccatacacgt cttgaacgaa 240

acgtggagca acnggaagag gggttttatc gaatgcagcg c[illegible] aacgc [illegible]gattctaaa 300

ngcgacgaag ccaatctcaa ngtcnagttc tatgtccctc ctt[illegible] tccc 360

gtcaccggag actactgggt gctctacatc cgattctgac taccaacang ctctcaat g 420

gcatcccttc aa 432

<210> 18435
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-011-Q1-E1-D3

<400> 18435

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ccgcccacgc gtccgtacgg ctgcaagacg acagaagggg ggtcagatca cgagagacga 120

ttgtgcctac tatctctacg cgtgaaacgc acgctccgcc aagcagagag aaagagttgg 180

attctgtagg tgactgtgtc aggcgttgga tgtcacgcgc cacgagtttt gcgtgtgtgc 240

tttggaggga tcgatccatg gctgggactg gagagaagac aaaagatgaa cattagcata 300

acaatgaata ttagggcagg aaatcgaagt actagaaagc tatattgcgg gcaagcgata 360

ttagggaatt gctgattttt ttctaataaa aaatcggatg atgaaaatat attctataac 420

ttaattgtaa agcatacgta ctcaagatta aaaacncntg tnnncnaaan aaaaaaaacg 480

ggcgctccan aaga 494

<210> 18436
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-011-Q1-E1-D5

<400> 18436

gcgtccgtac ggctgcgaga agacacagaa gggtacggct gcnagaagac gacagaaggg 60

tacggctgcg anaagacgac agaaggggct tcttcacagg atcagcaatg aatatagctt 120

cgaggattcg acgaagtttt ttaagagaga agaaggaatc ttcagatggg aatagcttga 180

ataatggatc gagtgttaag gaagaaggta aagatgagat tttgggagtt actgatgagt 240

taatcgatca tgtcagatcc ttcaccattg atacgtttaa gaacttctct ctggaagatg 300

aagaagaaga agtatctgtg aatcctttgg gagatgaaga taatggaatg agttcatctg 360

caaatgtgaa gaaggatttt gtctgattgg cangagaaac acgccggttc tccgtgttat 420

ccgaaatccn aaggaactct cacagtttga gantcaagtt 460

<210> 18437
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-011-Q1-E1-D8

<400> 18437

gcgtccgtac ggctgcgaga agacgacaga aggggagaac gtgtaacact tttgtatatg 60

tagataatag tagaacgaaa aaaaactctt tgtagagaga ttctgcttct atatggcttt 120

ctcttacgca tcattctcta tacccttcaa tggtttcgct gcaaatccgt ctccgattac 180

ttccgctttt ctcggcccat cattgagatt ctccaccaga acatcaaaaa ctcggaatcc 240

gagtaatggg gtttcagtga aatcgtcaaa tagtcatagg tttctagtca aatctaaaaa 300

tttcagtgtc tatgcaangg ctgcagcaga gaagtctgtt cacgatttca ctgtaaagga 360

catcgatggt aatgatgttt ctctggacaa attcaaagga aaacctttgt tgatcgttaa 420

cgttgcgtca agatgtggtt tgacatcatc aaatta 456

<210> 18438
<211> 526
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-011-Q1-E1-E10

<400> 18438

acggttgctt cgccgccgtc cggaaatcaa gggtcgaccc acgcgtccgc ccacncgtcc 60

gtacggctgc gagaaacgac agaangggaa gaaggatctg gttatcgaaa gccacgacgc 120

ggcgtttaaa gtcaaagccg gtgaaatgct ttacggttat caaccgttgg cgacgagaga 180

tccgaagatt tttgatcggg cggatgagtt tgtgccggag agattcgtcg gggaagaang 240

agagaagctt ttgaggcatg tgttgtggtc gaatggaccg gagacggaga ctccgacggt 300

ggggaataaa caatgcgccg gtaaggattt tgttgttttg gtggcgangt tgtttgtgat 360

tgagattttc cggcgatatg attcgtttga tattgaggtt ggtacgtcnc cgttaggaag 420

ctccgttaat ttctcgtcgt taangaaagc tagcttttac gagccaaggg taaatttgta 480

attgtatatg ttcgcanctg tgtagtccat ccgttttcct gttcca 526

<210> 18439
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-010-Q1-E1-G4

<400> 18439

cggtccggan aatacgggtc gacncncgcg tccgctgcaa aaagacgaca gaagggaatt 60

cataaaagag gaaattcaga ggattaaggc gaataatcca gacataagcc acagagaagc 120

attcagcact gctgccaaga attgggcaca ctttcctcat attcactttg gtctaatgct 180

ggagagtaac aagcaagcta agatagccta ataattctcg agattaatgg taatataagt 240

gttggagact tcgaagtaac aagagctgag aaggcaacta tatgtattgt atgatctttg 300

gaaccgtatg tatgtaagtg aagatgtcta tctttaaaac catctatagt tataatttag 360

taaaagcttc ttttaattta attctatggc ccttgttgta tggttcgtct cacaagattt 420

atgagttcct tcggatatat gaatnctaaa ttaaaaatat gttatcctat attatggtaa 480

acctatccta tac 493

<210> 18440
<211> 508
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-010-Q1-E1-G5

<400> 18440

aacnttctgc ggcggtctac cggtccaaga natcccgggt cgacccacgc gtccgtacgg 60

ctgcgagaag acgacagaag gggggagaaa aggagatgga aagaaaaaag ttttcttcaa 120

aatttattca tttgctcatt gtgtttttgc ttctttgtac gtttctttct cgtaccgaat 180

ctgctcttcc ttatcaccat gaactgttct tggggaggaa gcggatgaat tattataagc 240

ccaacagtgc cataggaaca ccatcatcaa ctagtgacca cgctccaggc agtaatggga 300

ggaagttgat gagtatatat agacccaatg gagacatatt tacaggacca tcaggcagtg 360

ggcatggtgg gggtcgcact ccagcccccc agtatatata tattaatgtg taatcaagga 420

ctcacaggcg aagcttttaa ttctcgatca cgtataacgt atgcgttggt gtantatagt 480

ttaattccgt ttcacaagcc aagttttt 508

<210> 18441
<211> 471
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-010-Q1-E1-G8

<400> 18441

ctatggtcaa acntcccggg tcgacccacg cgtccgcaca ancgtccgcc cacgcgtccg 60

tacggctnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnaagg aaacttgaca 180

gtaatgaaac ttccggtgtt accaactaaa cccaacactc acagccactc tatgtcatca 240

ccaattcaca gttccatatc agcttcagtt ccctttagct gggaagaaga gcctggcaag 300

cccaagcaac actctacntc ttccntcntn ctcttcctct cctcaacatt taacttctta 360

gtcctcanct cctttgaact cacaagtcct taaangctnt caccaagggt tcacttactt 420

gaaaaannng ggggatnagt naccaaaact naatccgcct ataanaatcc t 471

<210> 18442
<211> 511
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-010-Q1-E1-H1

<400> 18442

gttttttgg gcngccccgg tccggaaata nangggtcga cccacncgtc cgtacgggaa 60

aagacgacag aagggagaag gaccaatcta taatagctga aattagattc aaccatgatc 120

atgaatgggt gatgagcaaa tatagagaag tcattgagtt ctggagaaat gaacgagaag 180

ctgggtacac tcctgaagaa gaacgttgga aatgtcggta ttgccaattt gctaagtctt 240

gccctggaaa cccgagtttc gaatctccta gcacaagctc accaacaaga gaggctcctc 300

ctttaccaag ctaaaaagaa gatgaaaagt tgatcctttc accgaaagct gctaaatgct 360

aacatatatg tttgtgttgt ctttaatttc cacatttgtt tcccttaaat tgcatagcag 420

ttaagtgatt aaaccgtggt ttgattaggg ttggttaagc gtancaagat tganttgtcc 480

cgggatnccc caatttgata atgtgtatcc g 511

<210> 18443
<211> 495
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-010-Q1-E1-G2

<400> 18443

gtccgganat tacgggtcga cngncncgtc cgcccaanca nccgtactgc gagaagacga 60

cagaaggggg gagaagtaga aatcgataaa ggcgaagaag gaatcgcaag gaaggaatnn 120

ntctgagagg aagatcatga tcctagctgt gttgttcgcc aattccgttg ggaatgtttt 180

aatcgaaagg ttcaatggag taccagctga ggaacggctc cgctggcgat ctttcttggt 240

taagttggga gcagataatc tcaaaggcgt taaaaatgag gagcttctcg ttgcttgcca 300

caagtcggtt tatatcgtgt acacaatgct aggggatgtt agcatcttcc ttgttggcaa 360

agacgagtat gatgaacttg ctttggcaga aaccatctat atcataacag cggctgtgaa 420

agacgtatgt ggaaagccgc ctacaaganc cgagtgtttt tggataaata tggaaaggat 480

ttgcttgtgc cttga 495

<210> 18444
<211> 491
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-010-Q1-E1-H2

<400> 18444

ggtccggana aacgggtcga cccacgcgtc cgtacagctn cgacgacaga agggggcttc 60

ttatttgctc tgatcttttg attcaacggc tcccggagac gacggaagca atgcagttct 120

tcggtggatc tgagattagt ccgtcgccgc cagttccgac ggcgagtgga aacaacgcgc 180

acatgatgta cgttttcaat cgtaacggtg tatgtcttcn ctacaaagaa tggaatcggc 240

ctcttcatac acttaatcct cagcaagatc acaagctcat gtttggtctt ctcttctctc 300

tcaaatctct caccgctaag atggatccaa gtcaatgcgg ataaaggaaa tcttggggtt 360

ccacagttgc cangacaagg ttgctctttc cataagtttc cgtacgaata cttacaagct 420

aagtttcatg gagactccct ctggtattaa gattatcctt agtanctcat ccaaagaacc 480

ggaganttac g 491

<210> 18445
<211> 504
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-010-Q1-E1-H3

<400> 18445

tctttggngc ccggtccgga naaacgggtc gnccacgcgt ccgcccaaac atccgtacgg 60

ctgcgagaag acgacagaag gatacggctg cgagaagacg acagaagtag aagaaaccaa 120

agcgaaatca aaaagctcag caattttcca gatttctcta attgacgatg gcgctttgtg 180

ctactactca aaggactatc cgtatagcgg cgacgctccg gcgtgttgct cgacctttcg 240

ctactgacgc ggtggttgag tcggattaca agcgtggtga gatcggtaag gtctccggaa 300

tcccagagga gcatctttct cgcgaggtga taatatactc acctgctaga acagctaccc 360

agtcaggatc tggaaaactc ggaaaatgga agattgactt cgtctccacc ttaaagtggg 420

agaatccgtt gatgggatgg acntctacag gtgaccccta ngcnaatgtt tggtgactcn 480

gctcctgcct ttgaatttga aaaa 504

<210> 18446
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-010-Q1-E1-H4

<400> 18446

agaagaagaa aaaacgaagg agaagaagaa caatttcgcg gattcaagag acagagagct 60

tcttctgcgt aaagtctgat ctttgaaaat gacggaagaa ccagagaagg tgtcttcttc 120

agtattacat caaccttctg gtgataagaa acctgaagat gttgggatca aacctcagga 180

tccagcgtct tcttctgggt ttcgagctta tcctaatggt gattctccaa tgtacccggt 240

tttttatccg ggtcttgttc ccggatccaa tcctgtacag tacgaggaac aaatgaaccg 300

tggagctggg atctatgcgg ttcctgttca tcaatttgga ggacatgtcg ctggtcttcc 360

ctcaaattat cttatccctc tcacttacaa tgttccaacg actanaccaa ataatgaagc 420

tgaga 425

<210> 18447

<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-011-Q1-E1-A1

<400> 18447

gcgtccgtac nanctgcgag aaacgacaga agggggaaac aaagagatta gaaactacgg 60

agagaaagag agaagatata tagccatggc aatgaagtca gtttctacct tggccgtttt 120

tgccatcctc ttttggtta tcgttgaaat gccagagata aaagcgcaag gtagcaagtg 180

tctgaaagaa tatggcggta atgtgggttt cagctattgt gcgcctagga tatttccgtc 240

attctgttat cggaactgcc gtaagaataa gggcgcgaag ggaggtanat gccgttcggg 300

angggcagga gctggtagta tgatatgttt atgcgactac tgcagcgaca aaccttaaat 360

cagatcgtta aacgttttaa cctcaaaacg catgagtatt gcnacctgtn ctaangtnca 420

anggtttgta acttgtgtan taataaagtg aatgg 455

<210> 18448
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-011-Q1-E1-A12

<400> 18448

ccggtccgga nacaagggtc gncccacgcg tccgtacgan atgcgagaag acgacagaag 60

gggagaagaa gaaaaatcga tggcggggat actagtgaac aatatcctcc ctcaacctcc 120

gattctccga tcgctttctt cttcttcgcg aagaagttca attcgaaccc tagttatggt 180

caaagcttct tcctctgaac cttccgagtc tgtttcagtc tccacgaaga ccagtgacga 240

cactggagct gttgttgtgt tcactgctcc tcctggtttc aagccaccgg agccaaaacg 300

gttcgccgtc aaatccggaa aactcttcga tgtcttgggt gcagcaattg gattgttttt 360

ccgattcggc actggtgttt tcgtttctgg gtactctgca tcttttgtgt ctaaggaaga 420

gattccagct gatcagtatg cgttgcgttt angcgggatt acggtaaagg aaactgctaa 480

ngtccggccn cgtcctgaga aaccaa 506

<210> 18449
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-011-Q1-E1-A4

<400> 18449

tggnacgccc ggtccggaga taacgggtcg ncccacgcgt ccgtncnnnt ngcaagaaga 60

cgacagaagg gggatccatt catgctaaat ggtgcttagc ttaccacaag gagaactttg 120

cttacgagca ctgggatgac attctagaca tctgtaacca gtatgatgtg gctctttcca 180

ttggagatgg tctgagacct ggctccattt atgatgctaa cgaccctgct cagtttgcag 240

agctccttac tcaaggtgaa ctaactcgcc gagcgtggga aaaagatgtg caggtgatga 300

atgaagggcc agggcatgtc ccaatgcaca agattccaag agaatatgca gaagcagttg 360

gagtggtgta acggggcacc attctacacc cttggtcctt tgactactga tattgccccc 420

ggatatgatc acattacctc tgccattgga gctgccaata ttggagcctt gggtacaact 480

cctctttgct atg 493

<210> 18450
<211> 441
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-011-Q1-E1-A7

<400> 18450

gcgtccgana agacnacana agggggagtt tgatgcanac atgctcaana tacgtaatga 60

gtctgcactc agtgctttat atggggatct cccgangcan tgcacaacct gtggtctacg 120

cttcaagtgc caanangagc acagtaagca catggattgg catgtaacca agaacgggat 180

gtccaagaac cataagcaga acccttctcg gaantggttt gtaagtgcta tcatgtggct 240

cagtggtgca taagcacttg gagctgaagc agtaccaggg ttcttgccca nggagccaac 300

accagacatg anggatgacg atgatatggc acttcctgca gatcgatacc aancttcatg 360

ttcattacgt ggtgagccat ttgatacttt atntgntnaa aaccaaggaa ttggtnttaa 420

aaagttccgt naacatgaat g 441

<210> 18451
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-011-Q1-E1-A8

<400> 18451

aagacgacag aaggggatat tgtcgagtcc gaacatctcg tanctctcct tgcanttgtt 60

ccgaagtatt cccaagaaga ctggctacca tgttatgata ctttgaccga ttatgtggtt 120

ccnaggtcct cgaagaaatt gtttgangat aatgagtatg ccctttacac cgtcactctc 180

tttactcgtg tcgcagataa tttcatgatt gctgctcgtg aaaaaggatt ccaagtccgt 240

gattttgaac aaagtgttga ancacaaana nactcgtaaa caaganctan caaagttggt 300

tcaagatnan gaaagtttga naaagctctc ttttgaatgg tgctacacca attatggana 360

ggtttcantc ctggatcaat tctgtctgtg ntacattcnc tgatagcatt tgatatac 418

<210> 18452
<211> 526
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-011-Q1-E1-B11

<400> 18452

ttggtntagc cggccgacgg gnantcaagg gtcgacccac gcgtccgtac gcnagaagac 60

gacagaaggg tacggctgcg agaagacgac anaaggggggt tgtgttcttg aacgagagac 120

ctcagcctcg accaggcaaa ggtgtgatca atacttgtga agtctgttat cgaagcctcg 180

ttgattcctt cagattctgc tctcttggtt gcaagatctc tggaatatcn aagaagaaga 240

gaaaggaatg gacgaacaat ctttcggatt ctgatgattc gtatagcagt acgagtatcg 300

gaaggctcaa gaagaatgat gacattatga ataatagttt cacaccatca acaccgcctt 360

tatcaagccg tgaatcgtcg aattgcaaag cgaaggaagg gaatcccgca tcgtgctcct 420

ttcggaggac taatcatana atactaagaa atggtannnn nnnnnnnnnn nnnnnnnnnn 480

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnn 526

<210> 18453
<211> 499
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-008-Q1-E1-H12

<400> 18453

tttnttgccc gccgtccgga naaggaaatc ccggctcgac ccacgcgtcn ngtgngagaa 60

gacgacagaa gggggagaaa cgaaaattaa taanaaagag aagaaaagcc aaaagcttcg 120

gtcgcgcaag atcgcttcat ttgtttctag agtgattcat ggattcttta aactactaat 180

aatggatttt tgttgtgtct taatgaaata atgggagcag ctgaagcaag agcattgtgg 240

caannaacag ctagtcgttg ctttgttgtt catgaggatg ctaagatggc tccgaggtta 300

gcttgttgcc aacaccanca atcttcttcg ggcaacaccg aaaaaaacag cttttcttcc 360

ggaagttttg gagattcctc tgatttctcc tgtgatacca aatggtggnt taaagggatn 420

aactggtttt gatgaagaag ttacaaactc ccttccttga aagataccaa ntgcaagaaa 480

tgcattgant tgtcgactt 499

<210> 18454
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-008-Q1-E1-H2

<400> 18454

gccctaccgg tccgaanatt cccgggnccc cncgcgtccg tacggctgcg agaagacgac 60

agaagggtac ggctgcgaga agacgacaga aggggattca cgaaaacaaa ccacataaac 120

tagtcaaaga agaatagatg agttacatta taaaaaagtt caagtgagag aaagagaggt 180

ccaatggcgg agaaagaaga ggatgtgaag cttctaggtt tttgggcaag ccctttttact 240

cgtagagttg agatggcttt caagctcaaa ggcgtgcctt acgagtactt ggagcaagat 300

atagtgaaca agagcccttt gcttctccag ataaatccgg tttacaagaa ggttccggtt 360

cttgtctaca aagggaaaat attatccgag tcacatgttg atcctcgaat acatcgacca 420

aatatggaag aacaatccaa ntcctcctca agattcttac gagaaagcca tgggctttat 480

nct 483

<210> 18455
<211> 445
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-008-Q1-E1-H6

<400> 18455

gcgtccgtgc gagagacgac agaagggcag ggatcagcgg atgttgctta taggactccg 60

ctggcacctt atgagaaatc aaagttttta ggtttaatgg ggaggaggat gtggtggcgg 120

aagtggcgga gatggaggag atttgccgga aaatggaaga tgggcttgag gggttacaga 180

gaagagttag agaagtgttt catangttgg tgaaaagcan aagtgagata cttgaagtga 240

ttgatcactg attgtaatct tttaactttg ttgttgtgaa aatttaatct ttgagttaac 300

tcttttgatt aagaaaagag aacaaattac aggtttttnn nnnnnnnnnn nnnnnnnnnn 360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420

nnnnnnnnnn nnnnnnnnnn ntgcc 445

<210> 18456
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-009-Q1-E1-A11

<400> 18456

gtatggcgga gaaagctatg gtggttctga gtagccttgc agcgatagat gatggcaaag 60

aggctattgt cgaggaagga gggatcgcag cgcttgttga ggccatcgag gatggatctg 120

tgaaagggaa agaatttgcg atcttgacgc tgttgcagct ttgttctgat agcgttagaa 180

accgtgggtt gcttgtgagg gaaggcgcga ttcctccgct tgtgggcctc tctcagagcg 240

gctccgtcag tgttagagct aagcgcaagg cagaaagact tctggggtat cttcgggagc 300

caaggaagga ggcaagttca tcaagcccat gaaatgcaac catgtggagg ttcatcaatc 360

caatatgtat atactgagtg tangtttggt gggttttgta aaacnt 406

<210> 18457
<211> 375
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-009-Q1-E1-A12

<400> 18457

ctgcgagaag acgacagaag ggtacggctg cgagaagacn acagaagggt acggctgcga 60

gaagacgaca gaagggtacg gctgcgagaa gacgacagaa ggatacngct gcgagaagac 120

nacagaaggg tacggctgcg agaagacgac agaagggtac ggctgcnaga agacgacaga 180

agggtacggc tgcgataana cgacagaang ggatanaaga aagagctccg tccccaaaaa 240

caaangaaac aaaaaatcan tcggcgaaac gggaagagat ctatcggaaa tcttacggcg 300

gccggaagtc atggcgaaca tanaatcaga agcagtcgat ttcganccan aggangatga 360

ccttatggac naaga 375

<210> 18458
<211> 552
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-009-Q1-E1-A4

<400> 18458

gttgcctgca gcnacccgtc cggaatccan ggtcgaccca cgcgtccgcc cacgggtccg 60

tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga agggtacggc 120

tgcgagaaga cgacagaagg ggatgtgatt gatctggaag atgactccat agacgctgaa 180

atcctcaatt ccatggcagt cactaatgaa catttccaca ctgctctcgg gaacagcaac 240

ccatctgcac ttcgtgaaac tgttgtggag gttcccaacg tctcttggaa tgatattgga 300

ggtcttgaga atgtcaagag agagctccag gagactgttc aatacccagt cgagcaccca 360

gagaagtttg agaaattcgg gatgtctcca tcaaagggag tccttttcta cggtcctcct 420

ggatgtggga aaacccttt ggccaaagct attgccaacg aagtgccaaa gctaatttca 480

tcagtgtcaa aggtcccgag cttctgacaa tgtggnttgg agaaaaatga agcaaatgtt 540

cgtgnaaacc tt 552

<210> 18459
<211> 497
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-008-Q1-E1-G5

<400> 18459

gcgtccgtac ggctgcgaga agacgacaga agtagaagaa accaaagcga aatcaaaaag 60

ctcagcaatt ttccagattt ctctaattga cgatggcgct ttgtgctact actcaaagga 120

ctatccgtat agcggcgacg ctccggcgtg ttgctcgacc tttcgctact gacgcggtgg 180

ttgagtcgga ttacaagcgt ggtgagatcg gtaaggtctc cggaatccca gaggagcatc 240

tttctcgcaa ggtgataata tactcacctg ctagaacagc tacccagtca ggattctggg 300

aaaactccgg aaaatgggaa gattaacttc cgtcctccta accttaaaag tggggaagaa 360

tccgtttgat ggggatggga cctttctaac aaggttgaac tccctaatgg cctaaatggt 420

tggggtgaac tcctggcctc ccttggcctt tttggaattc ctgaaaagaa aagcctgcct 480

aaaagttcct ttttggc 497

<210> 18460
<211> 466
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-009-Q1-E1-A8

<400> 18460

gaagggtacg gctgcgagaa gacgacagaa gggtacggct gcgagaagac gacagaaggg 60

tacggctgcg agaagacgac agaagggtac ggctgcgaga agacaacaga aggggtctag 120

ggccttgacg gaagagcatg ccagagacag ctttgagaat cttctcttta gcgtttgtcg 180

attcagagag ctcacaggct cttacccaca gaatataaca gtagtgagtt atgattttaa 240

ggaggagaga tttgcgcatt tgcatcgttc agcaatggga tttccggaat caagattttt 300

ctacttagga acaccagctt ctctatcatc caaagaagac gctctaaaag gcgaggcttt 360

ggttanatna caatttcaag aagattcata cggatgtgtt ggtccccttg gcgttaagaa 420

nctgatcntg acccttttcat aggactatac cttaccctaa ttgggt 466

<210> 18461
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-009-Q1-E1-B12

<400> 18461

ctnagcctgc cgtccggaaa tcaanggtcg acccacgcgt ccggcgaaaa gacgacagaa 60

ggggaaatta aattcgattt ttgagacaaa gctcgacaag tcgtcggcgg cggtgtaaaa 120

atagtcggag ctatggcgat gcaggccgga gttggcttat ccaggatctt tctcttagcc 180

ggagcaggtt acactggtac gatcatgatg aagaatggaa aattgtcgga tttgttgggt 240

gaattgcaga gtttggtgaa gggaatggag aaatctggag aagggtctga gggagattct 300

gatgtttctg atgctatagc tgcacaggtt cgccggttgg ctatggagat tcgacagcta 360

gcttcgcagc aacacataac ggtcatgaat ggagtttctg gtgcaaacct acaagccctt 420

gctgttcctg ctgcggcatt gggaactctc ggatatggtt atatgttgtg gaaaggacct 480

cattcactga cct 493

<210> 18462
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-009-Q1-E1-B4

<400> 18462

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aacaaattca acgatgaaga aaataaggtt aagataacga ctaggacacg tgtccgcaag 120

ctagcttctg ctcgactcaa caaacgagcc atggagagga ggaactggcc taagttcgga 180

gacgcagcca atgaggaagc tggtagccat ctcactatgg tttctaccga agagatcctt 240

ctcgaacgac cccgagctcc tggtaccaaa gcggatgaat caaaggcaac aggagatggc 300

ttgtctcagc tgggtaaagg tggtgcagtt cttatggtgt gcaggatatg ccacaagaaa 360

ggagatcact ggacatcaaa atgtccatac aaggatctag ctgcaccaac cgatgtcttc 420

attgacaagc cacccacagg ggaatcatct accatgtctg ctgcacctgg aactggcaaa 480

ggcgcctatg tcccgcctan catgag 506

<210> 18463
<211> 509
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-009-Q1-E1-B6

<400> 18463

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gtttttagcc acacaccaga agacgacaga agggagagag aaaattcagc atttttgata 120

gctcaagcac ttgattcttt ccaaaggggt ttcctgagat cacaaaggcc aagtaacaat 180

ggcgaaagga gttgcagttt tgaacagcag tgagggtgtt acggggacta tctttttcac 240

ccaggaaggc gatggtgtga ccactgtgag tggaacagtt tctggcctta agcctggtct 300

tcatggtttc catgtccatg ctcttggtga caccactaac ggttgcatgt ctactggtcc 360

acatttcaac cccgatggta aaacacacgg gtgnccctga ggatgctaat ccacatgctg 420

gngatttagg aaacatcact gttgggcgat gaatggnact ggcaccttca aannтcactg 480

ntttgccang attcctcctt accggganc 509

<210> 18464
<211> 533
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-009-Q1-E1-B8

<400> 18464

cggtcaggna aacccgggtc gngccacgcg tccgtacgga tgcgagaaga cgacagaagg 60

ggccccgaaa ttttttagca aattctctac ctctatctct ctcttctctg ggaggaaaaa 120

tggagatatc ggttgcatcg gtaacaatat cagtagttct agctgttgtg tcatggtgga 180

tatggagaac tttacagtgg gtttggttta agccaaagat gcttgagcat tacctgagaa 240

gacaaggtct tgccggaaca ccttacacgc ctctagtcgg cgatttgaag aagaatttca 300

ccatgttgtc ggaggcaagg tccaaacccc tcaaactaac ggatgacatc tcacctcgtg 360

tcgtgcctta tcccttgcaa atgttcaaga cttacggaag gacttacttt acatggtttg 420

gacctatccc aaccatcaca ataatggatc ctgagcaaat caaggaagtg ttcaacaaag 480

tttatgattt ccaaaaaaaa aaagnnnnnn naaaaaaaaa aagcgggcgc tcc 533

<210> 18465
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-009-Q1-E1-B9

<400> 18465

tctccggana tcagcagtcg acccaggcgt ccgtacggct gcaaagaaga cgacagaagg 60

ggagagagaa tcaaaacaat ggccactgtg aaaatcnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnntcat tcccaatgcg 180

gcacctgcaa aggcggtgaa gttgcgattc aatggaaagt ccctgagagc aaaaccaatg 240

gtatacagat catctcgctc cgttggagtc acctgctctg cttcatcttc tctgacgact 300

cttccctctg ctcttctctt cgattgcgat ggcgttcttg ttgataccga gaaggacggt 360

cacaggatct ccttcaacga cactttcaaa gagagagatt tgatgttacg ttggatgttg 420

atttatacgg cagttactta aaatcggtgg tggtaaanaa agatgactgg ctnatttta 479

<210> 18466
<211> 550
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-009-Q1-E1-C2

<400> 18466

acggtttctt cgcncagcct ccggaaatcc aaggtcgacc acgcntccgt acggntgcga 60

gaagacgaca gaagggtacg gctgcgagaa gacgacagaa gggtacggct gcgagaagac 120

gacagaagga acttagcaga ttgtgcggtc gttgttgagg agctctggtg gaggactttg 180

gaaggtgcag ctttggattt gagctctgtg tctttctttg gagaagaaaa acatgagacc 240

gctgtttcga aatgggcacg agctagaaaa cgagctgcta aggttgggaa aggcttatct 300

aaagatgaaa aggctcagaa attagctctt cagcattggc ttgaagctat tgacccacgt 360

catcgttacg gccacaactt gcacttctat tatgatgtct ggtcagcgag caagagcaca 420

caaccattct tttactggtt ggatataaga gacggcaaag atgtaaatct tgagaaacac 480

cttagaantg ttctgcaaaa acaatgcatc anatacttan gancgatggn gaanaaaagc 540

atattaagtt 550

<210> 18467
<211> 286
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-008-Q1-E1-E10

<400> 18467

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ggatccaagg cttacgtacn cgtgcatgcg acgtcatagc tcttctanag tgtcaccnaa 120

attcaattca ctggccgtcg ttttacaacg tcgtgactgg gaaaccctg gcgttaccca 180

tcttaatcgc cttgcagcan atccccttt cgccagctgg ngtantagcg aanaggcccg 240

caccgatcgc ccttcccaan agttgcncan cctgaatggc gaatgg 286

<210> 18468
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-008-Q1-E1-E2

<400> 18468

tacngnatgc gagaagacga cagaagggta cggctgcgag aagacgacag aagggtacgg 60

ctgcgagaag acgacagaag ggtacggctg cgagaagacg acagaagggt acggctgcga 120

gaagacgaca gaagggcgnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnngcg 180

gccgctctan aggatccaag cttacgtacg cgtgcatgcg acgtcataac tcttctatag 240

tgtcacctaa attcaattca ctggccgtcg ttttacaacg tcntgactgg gaaaaccctg 300

gcgttaccca acttaatcnc cttgcagcan atcccccttt cgccanctgg cgtaatancn 360

aagagggccg caccgattgc ccttcccaac aattncccaa cctgaatggc gaatgggacc 420

cccctgttac cg 432

<210> 18469
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-008-Q1-E1-D5

<400> 18469

aagacgacag aagggcgggt gacggagaat tagggttcga ttccggaagg agagccaaag 60

cttcgtcgtt gatcattcct ccgtagttgc ggaattgaac ccaacttagg aatcaaatgc 120

ccaagatctg ctgctctcgt tccgctacac aagttgtggt agcacaaaaa tcaaactcgg 180

gtaaaggaag aaacggtgaa ggaggaatca agtatggatt tagtttgata aaagggaaat 240

ctaaccattc aatggaggat tatcatgttg ctaagtttac caatttcaat ggcaatgaat 300

tggggctttt tgcaatcttt gatggtcata aaggtgatca tgttgctgct tatctgcaga 360

aacatctctt ctctaatatc cttaaagatg gagagttctt ggttgatcct cgaaga 416

<210> 18470
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-008-Q1-E1-E5

<400> 18470

gacagaaggg ggaggacact gtgcagatca ctacggctca ttcacaggct gtgttttctg 60

attcctaccc gccttcgtct tgtgtgttta aagagaatgt tgttcagttc atgaagccat 120

tgttggagtt ttttcagcag attgggtctc ctttttgttt gaatgcttac cctttttgg 180

cgtacactta taatccgaag gagattgata tcaactatgc tcttttcaag ccaacggaag 240

ggatatatga cccgaaaacc gatttgcatt acgataacat gcttgatgct cagattgatg 300

ctgcttacat ggcgttgcaa gatgctgggt ttaagaagat ggaggttatg atcactgaaa 360

ctgggtgggc ttctaaaggg gattcagatg aaactgcagc aacacaagag aacgca 416

<210> 18471
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-008-Q1-E1-E7

<400> 18471

ggctgcgaga agacgacaga aggggaccga aacaagtatg ttgatgactt tgttctcctt 60

taaattatca tcacttcatt tctcagagat ttacgcacac agagttctct tcttcgtcct 120

agtttcttct attccaggtg agaagaaaaa atggcgtttg tgcccactgc ggaagtgtgt 180

gacgcgaatc aagagatgat tcgaagtggc cagctccgag ctctgcaacc cgtttttcag 240

atttatggtc gtcgtcaaat attttcaggg tccagtagtt actggttaaa gtcctttgaa 300

gacaatggct taatcccgtt aacttctccg aaaganaaaa gggaaatggg taanantcct 360

tggnggtggg tnggtgggan ggaanttaac cctgttgcga atactaaggg anggaaaacc 420

cggtccgtac 430

<210> 18472
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-008-Q1-E1-E8

<400> 18472

agaagaattt tgactagaaa gaaaaaaaat caatttcgac ggccattttt ttctctcatc 60

ctttttgatt cctctgtttc accnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnag 120

ttttcacctt tactctaaaa gtttcacttt ttatgtctgc tttgaagctc tgagatcgga 180

gaaagcaata tctatggcgg aagcaagacg attcagccca gttcatgaat tagatgttgg 240

acaaatactc tcagaagcac gacatcgatg gcttcgtcct cctgaaatct gtgaaatttt 300

acaagaatta ccaaagattt caaatttcta ctgagccaac tactacacca tcaagtgggt 360

ccgtttttaa gtttgatcga aangtgctca aat 393

<210> 18473
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-008-Q1-E1-F1

<400> 18473

nggtttcctg gcgcacggtc cggaaaaccg ggtcgaccca cgcgtccgta cggatgcgag 60

aagacgacag aaggggagac gtcgaagatg aagttcaacg ttgcgaatcc aactactgga 120

tgccagaaga agctcgagat cgacgatgac cagaaactac gtgcgtttta cgacaagaga 180

atctctcaag aagtcagtgg agatgctttg ggcgaggagt tcaaaggata cgttttcaag 240

atcaagggtg gttgcgataa gcaaggtttc ccaatgaagc agggagtttt gactccaggc 300

cgtgttcgcc ttctgcttca ccgaggaact ccttgcttca gaggacatgg aanggagaac 360

tggtgaaaag gagaaaaaaa tccgtttgtg gntgcattgg gaanccctga tnccccgnt 420

cctgaaacct gtnaattgta aanaaggtga aaa 453

<210> 18474
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-008-Q1-E1-F11

<400> 18474

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acagggaagg tgttatggtt aggtgcaaga gctgtggtaa aagtaagaag cgtgctggaa 120

gtagaagtgg aggctcttag atgggctgtg ctgtcattat cccgattcaa ttataggaag 180

atcatttttg aggtggattc tcagcaactt gtgtctttgg ttacatgaaa gttatgcttg 240

tcaagtctca attcaattat ccaagacata aagtatctac ttagcaagtt tgaggatttt 300

atgcttgtgc atacaagccg agaaggaaat ggagtggcan atagaatagc taaggaatct 360

ctttcttttg agaattatga tctaaattgt attctattgt accaatttgg 410

<210> 18475
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-008-Q1-E1-F3

<400> 18475

agacagaagg ggaacacact caaatatctc tccaaacact aaaaataatt tgtaccgact 60

ctctctctct ctccgtaaca aaaaaatcac caatggcaaa acaatatctc tttgtactcc 120

tctcaatctc ctatctctta tcactggagc tcacggcggc caccgcagcc tcacagaccg 180

gagcttccaa aaaagccata aacttcatcc aatcttcttg caaaaccacc acataccctg 240

ccttatgtgt caactcactc tccgtctacg caaacgaaca tcnaaacaag cccnaaacgt 300

ttagctgaga ccggctatag cgtgacacta agccgagcca attcaacnaa ctcttcgtct 360

cgcgtctaac acgtatgaag ggtcttaaga agcgcgaagg tcgaaagcat caangattg 419

<210> 18476
<211> 417
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-008-Q1-E1-F5

<400> 18476

aagagacaga agggaaagtt gacgagaaga gaaacagtac ccatagaaac tctgctatgt 60

caaaaaagtc tgaaagtgcg gttctccgag tatcaccttg catggatcag aaaggagctg 120

aggttaaagt taaaccagtg gagcaaaatg ataaggcaaa gaaacgggaa ctacaagaga 180

agaatcaccg cagggacagt gtgacaaaga gtgataagcc attgggtaat gaagggataa 240

agaaaagtga accaaaaaac ataacaaatg gaagtagtaa agagaagaaa gaggagaaaa 300

ctgaggtgat aaagaaaaat ggtcaggaga aaccaaagtt ttgtagaggg angacccaga 360

ttagagagag aacaagacgt tgtgggtact agggatttta gagtgcaaga ctttcaa 417

<210> 18477
<211> 438
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-008-Q1-E1-F6

<400> 18477

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ttattggctt ggacttggtg tttttcattc tggtgttgaa gttcatggag ttgaatatgc 120

atttggagca catgaatcat caagtacagg tatttttgaa gtggaaccaa agaagtgtcc 180

tggtttcacg tttaggaaat cgattcttgt ggggaaaacc gacttggttg cgaaagaagt 240

tcgtgttttt atggagaaat tagctgaaga gtatcaagga aacaagtacc atctcatcac 300

aaggaactgc aaccattttt gcaatgaagt ttgtcctaaa cttgctcaga aatcaatccc 360

taggatgggt gaatcggact tgctcgctta aggggttctc tgcaanctgt gttgttacaa 420

cctcgtttga acgangca 438

<210> 18478
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-008-Q1-E1-F9

<400> 18478

tctgcccggc ntaccggata ggatatcccg ggccgaccca cgcgtccnta cagctgcgag 60

aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 120

acagaagggg aagtcagtcg taggagacct cactcacaca tactttgttg gaaatgctcc 180

aatggctcac atggccatac aacctacaga agaaatgcct gatttgacat cttacaagag 240

gttcttcttc aaatgcagtg tagtancagc atcgaaatac gacataagca actgcgagga 300

ttttgtgtgg gtaaccaaag acnagctctt ggaattcttc cctgancaag ctgaattctt 360

caacaagatg atcattanct gaaccactca caccacanaa actcctattt tcatcccttc 420

ctctccaaca atgtcatctc tctgggatta gacaatgtga gaaggtcatg tnataacca 479

<210> 18479
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-008-Q1-E1-G1

<400> 18479

agaaggggg gaagttgaaa atatgaaaat tgtaaatgac actgtaatgt tgtgtgggaa 60

tctgaatgca gatgaagcta cgcaggcgac acctgagcct aataatgcag aaccgtatcc 120

agactataac ctggtggtca cagagaggga aacaatcatg gaggttgatg agccggatcc 180

tgatgatcaa gaaatccaga ggatccaaga ctctgttacc atcatctcta accgtctcaa 240

agaaagccat aaagggcttg agaaatgaag tcaaccccgg tcaagcaacc actgtgttac 300

aaatgcntct caaaataatc aggaacatca ttgaacaacc aaatgaaatt aaattcaaaa 360

ngctgcntta gggaaatcct gcaattaagc gcaacattct caactttcca anctgccgtt 420

gaga 424

<210> 18480
<211> 501
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-008-Q1-E1-G10

<400> 18480

gtcctgtttg ggtcggncct accggattag gacatcccgg nccgacccac gcgtcangaa 60

aacgacagaa gggggagaag aagaagttga aaaaattgta aagtcagtct ctccgactct 120

tccttccttc cgtgttcacc attgctacac gttctccacg aantttccga tgcccagtcg 180

tcggggacat anctanaccg tcggatctcc tgcaaccaca tcttccaatt acagtaacac 240

tactttcacc gatcgttcct tcccgacaac ccctgcccgt acatcnaccg acacaaccac 300

ctccatcgct cgtcgcatct ccggtatctt catcaactgc ttcactcctc ccgattccgt 360

ttcctccaac tacatcgaca attcaagagt cntcttccgt gnattatatc cgttcgtaaa 420

cgtaactnat acggaagtac tatgtncagn gggntttatn gaantcccaa ccanacngtc 480

atacaagaat cacttcgcgn a 501

<210> 18481
<211> 444
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-008-Q1-E1-G2

<400> 18481

ntaccggtcc gaacatcccg gnncgccacn cgtcngtaca nntggagaag acgacagaag 60

ggggaaacat ttgagtacac agcaattatt tgcagatccc acagtgcctc cataacagag 120

tacggtggtg taggagacgg caagacgcta aacacaaagg ccttccagag cgccgttgat 180

catctcagcc aatactcatc tgaaggcgga gcacagctct ttgtacccgc cgggaaatgg 240

ctcaccggaa gtttcaacct cacaagccat ttcactctgt ttcttcacaa agacgcaatt 300

cttctcgctg ctcaagactt aaacgaatac ccaattctaa aggctttgcc ttcgtacgga 360

cgangacgtg acgccgccgg tggaagattc gctatctcat cttngcacta atcctctccg 420

acntaattac accggggaac aacn 444

<210> 18482
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-008-Q1-E1-G3

<400> 18482

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnna ttggtttggt ctccggaaac agcatcaaag gcttatatag acaccgttaa 120

atcgtgtgag aatcttgaaa cgccggacgc ggcggagtta atagcggcga tggcggcggg 180

atggaacgtg aagctgatcg tggaaacttg gtcagaagga gacgcaatag cttcaagtat 240

tggtttaaac gtagcaagca aacacgcaaa cgctaaacac atatgtatag tacaaaactc 300

aagatcagaa tctgcttanc tcaaacctat tcaagaatcc tcatctcccc ttgaacnttc 360

caagaagact atccgtccgc tgaaagaacc ccgggaaaaa gcgatgaaag aanctaccaa 420

agga 424

<210> 18483
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-008-Q1-E1-A2

<400> 18483

cggtttcctg gcccacggtc cggaaacccg ggtcgaccca cgcgtccgta cggntgcgag 60

acgacagaag ggtacggctg cgagaagacg acagaagggg ggaatccaga ggttttgttt 120

ctgaatggaa acaagttttt gggagttttg attgtgcctc caacaagttt cttggcatcc 180

aacaggaagg ggatgcaaag aagtatgtgg gtgttccggg catgaactct atatctaagg 240

ccttgtgtaa tgagtctggt gttaagagta tgtttggaac tggtattgcc aagatggaat 300

ggttggcaga agagatacca tggttgttga cagattcaaa aggagaaaat ttgggtcgtt 360

tcgatggagt ggttgcatca gataaaaaca ttgtttctcc aaggtttact caagtaactg 420

gactcccacc gcctctggac ttaaatccaa tcccggagtt ggcnact 467

<210> 18484
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-008-Q1-E1-A3

<400> 18484

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gtcttgcgtc tgcgtggagg tatgcagatc ttcgtgaaga ctctcaccgg aaagactatc 120

actttggagg tagagagctc tgacaccatt gacaacgtga aggccaagat ccaggataag 180

gaaggaatcc ctccggatca gcagaggctt attttcgccg gcaagcagct agaggatggc 240

cgtacgttgg ctgattacaa tatccagaag gaatccaccc tccacttggt cctcaggctc 300

cgtggtgggt atgcagantt ttcgttaaaa ccctaacggg aaagacgatt actccttgag 360

gtggaaattc tgacaccaat caacaannnc aaggccaaga ttcaagacc 409

<210> 18485
<211> 424
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-008-Q1-E1-A5

<400> 18485

aagacgacag aagggtgcgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 60

acagaagggt acggctgcga gaagacgaca gaagggtacg gctgcgagaa gacgacagaa 120

gggtacggct gcgagaagac gacagaaggg tacggctgcg agaagacgac agcaggatac 180

ggctgcgaga agacgacaga agggtacggc tgcganaaga cgacagaagg gtacggctgc 240

gagaagacga cagaagggta cggctgcgag aagacgacag aagggtacgg ctgcgagaag 300

cgacagaagg gtacngctgc gagaagacga caaaaggtac ngctgccnaa aagacnacag 360

aaaggtaccg ctgccaaaag acnacagaaa ggtacngctg ccgaaaacna cagaaaggta 420

ccgc 424

<210> 18486
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-008-Q1-E1-B1

<400> 18486

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ccaaccctat taccagaata agtattgcag agttgctcga agatgaatgg ttcaagaaag 120

ggtacaagcc gccatcattt gaccaagatg acgaggacat aaccatagat gatgttgatg 180

ctgcttttag taactccaag gaatgtcttg taactgagaa gaaggagaaa cctgtatcca 240

tgaacgcttt cgaacttatc tctagctcaa gcgagttcag tcttgaaaac ttgttcgaga 300

agcaagcgca acttgtgaag aaagaaacgc ggtttacttc tcaacgatct gcgagtgaaa 360

taatgtcgaa aatggnagaa accgcaaagc cattaggcct taatgtccgt taaagacaac 420

taccaagatt aaaaatgaaa ggngacaaaa gttggc 456

<210> 18487
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-008-Q1-E1-A11

<400> 18487

tctgcccngc tctaccggaa nggacatccc ggntcgaccc acgcgtccnc ccaagcgtcc 60

gcccacgcgt ccgtacggct gcgagaagac gacagaaggg gatagaaaga aaaagaagtt 120

gaaagagaaa ttgcttaagg aagcttcgaa agctgacaat agaggtgttt gctacttaag 180

tcgtatccca ccacacatgg atcacgttag acttcgccgt attctcgctc aatatggaga 240

actcggaagg atttatcttg cacctgaaga ttctgaagca caagtgcacc gtaagcgggc 300

tggtggattt cgtggccaaa ggttttctga agggtgggtg gagtttgcta agaagagcgt 360

agctaaacgg gttgcagata tgctaaatgg agaacaaatc ggggggaaaa agaagtcatc 420

agtatactat gatatttgga acatcaaata cttgaccaaa tttaaatggg atgatcttac 480

tgaagaaatt 490

<210> 18488
<211> 416
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-008-Q1-E1-B10

<400> 18488

tctagtgggt atggtgagcc taaactggct ctgatcaggc ggtggatcaa cggtgttgtt 60

agtcggaaag tgaaatatct cggtgttttg gatgattcat gtgataatta tgagttcgag 120

atgcctccaa ccctttacac ttgtgagacc ttagtatact taacgctcga tggactatcc 180

ttggctagtc ccaagtttgt ttctttacct tctcttaaag aactccatct aagtatagtt 240

aagtttgccg accatatggc gttggaaaca ctcatctcac agtgcccagt tctagaaaac 300

ctaaatatca acaggagttc tgtgatgatt ttgaattaca tgtgtgcgtc tcagtcacta 360

ttgagctcac tcatgttgcg gacactgatg aaatgttgaa tgaagatcta gtatcg 416

<210> 18489

<211> 337
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-008-Q1-E1-B7

<400> 18489

ggctgcgaga agacgacaga agggtacggc tgcgagaaga cgacagaagg gtacggctgc 60

gagaagacga cagaagggta cggctgcgan aagacgacag aagggtacgg ctgcgagaag 120

acgacagaag ggtacggctg cgagaagacg acagaaggat acggctgcga gaagacgaca 180

gaaggggccc ttagagggag aatgtcaaag gaaaatatag aagataagtc atgtactcat 240

attcatgtcc aactaaatat ataatgagaa aggcaaatga atgttttcaa gacanattna 300

ttnnanactt angttnaaat anaaaaaaaa agcggcc 337

<210> 18490
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-008-Q1-E1-C3

<400> 18490

gcgtccgtac nnatgcgaag aaaaacaaca gaaaggggaa acccgggaag ctttttggaa 60

aanggaggtg gaggaagcca agatcttgct cggctttcct cctaattctc gtcccgatcc 120

ttctcaggtt aaagctgctt acaggaagaa agtatgggaa tcacatcctg acttatttcc 180

tgatgatcag aagcttgttg ccgagtctaa gttcaaatcg atatctgaag cttattcttg 240

cctagagcct ggtgatgtta aaggtcaatg gtattacaga gcangtgtgt attcgagggt 300

cgtcaagact ggggttcctc ggccatattc atctgccaaa agaggtaacc gttggttgat 360

cggtgcacct ttccttttga ttgtcttagg aaccatcgga cttggtggaa tcaaagctaa 420

canggcatat aatttgcaaa aacagacgtt c 451

<210> 18491
<211> 385
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-008-Q1-E1-C4

<400> 18491

gcgtccgacg gatgcgagaa gacgacagaa gggtgaggaa tctgacaaag tcagttgtca 60

gaggtcaatt nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn atgttggtag cattagtata gatggctgac gaggcttccc aatacagatc 180

tcttttcgat tgttagttat catttatcaa tatcaaatca aaccaagcta tccagtagct 240

ttaataagga ccattgtgac aagtgacttt cagtttgaaa ttttatgtca gagactttga 300

ttcaaatttg taatttcttt ctaatgtcgc caaatctggg tataaactaa gaantnatac 360

ctttggttga cacnacttat tgaga 385

<210> 18492
<211> 465
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-008-Q1-E1-C6

<400> 18492

ccaaaaatcc cgggtcgncc cacgcgtccg tacnagctgc gagacgacag aaggggggaa 60

tggctgggca agaagcaagt cctgcttcct tgtttcagtt atatgttgat tatgggcgtc 120

ttacagaggc aactaatttg ctacttgagt acatggaatc atttgcttca tcgaaaccag 180

cagaggtatt gaagaggaaa aaggtatccg gagtttggtt tccgtgcaca acagtagaaa 240

gactatggtg ggagctagag aaaacaatga actcaggacg aatggtggag caatgccata 300

agctgaagga acaacttcat catgcattac tcaatcactt aaaactgctt aaggtggact 360

caaatgatgc tgtatcctct gcaaccggtt aaagaaagtc ctgattgttc cgtgttaata 420

ttantatatc tgtatcaaaa tcntatcaag ctttgtttcc cntta 465

<210> 18493
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-008-Q1-E1-C8

<400> 18493

tgngcctacc gtgtccgaan atcccgggtc gncccacgcg tccgtacagc tgcgagaaga 60

cgacagaagg gttagggcaa aaggcaaaca aagagttcaa ttccgtcggt gacgatttca 120

attcattgtc taacagtatt gaaggaggta ccaagtggtt agtcaacaaa ctcaaaggaa 180

aaatgcagaa gccattacct gaattgttga aggaatttgg tctaccagtt gggatcttcc 240

cacaggatgc tacaaactat gaattcaacg aagagacggg taaattgact gtattcatcc 300

ctgagacatg tgaagttggg tacagagatt catccggttc ctgccgggtt ttcaaactaa 360

cggtaaacgg gttnactttg gagaaaaggg aaagctaagc aanaaagtng gaaaggcatt 420

gaaaggacaa agggttatga tatgggttga aagtgacttg tatctcaagc tgattcatca 480

aaaggtatat ttcacaagcc cggg 504

<210> 18494
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-008-Q1-E1-C9

<400> 18494

aagacaacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 60

acagaagggg gaagacattt cttccctctg gatctccaaa agtaagaaca tttacaagaa 120

acgagaggtt tgggtgggga aggaaagaag gaggaagagg caatgtcagc taggtattgg 180

tgtcacatgt gttcgcaaat ggtgaatcca gttattggtg ccgagatcaa atgccccttt 240

tgccaaagcg ggtttgtcga ggaaatgagc cgtgagatta atggcggcag cagtagcagt 300

ctaagggagg ttcaagaccc tgagattgat tttggtacag accgtgcatt gtctctatgg 360

ggtccaatct tgcttggaat gataantatc tcgtagacgt anaaggttaa gagg 414

<210> 18495
<211> 419
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-008-Q1-E1-D1

<400> 18495

ggctgcgaga agacgacaga agggttccnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngcggcc gcnctanagg ntccaagctt 120

acntacgcgt gcatgcgacg tcatagctct tcnatagtgt cacctaaatt caattcactg 180

gccgtcgttt tanaacgtcg tgactgggaa aaccctggng ttacccaact taatcncctt 240

gcagcacatc ccccttcgc cagctggcgt aatancgaag agggccgcac cgnttgccct 300

tcccaanagt tgcccaacct gaatggccaa tgggaccccc ccttttncgg ggcaataanc 360

ccgggggttt ttgtgggtac cccaacggtg accgctaaac ttgcaancgc cctaacccc 419

<210> 18496
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-008-Q1-E1-D2

<400> 18496

tgaaccaaag tanaaaacaa agactcgagt tgatatgtct agtactaaag atatgtcaac 60

tgtccaaaac gcaactcctt ttaacggcgt tgccccatcc accaccgtgc gagttacaat 120

cgtccaatcc tccaccgtct ataacgatac tcctgccact atanacaaag cggagaagta 180

tattgtggag gcggcaagca agggagcaga gctagtgttg ttcccggnng ggtttatcng 240

tggctancct cnaggtttta ggttctggtt tagcggttgg cgttcataaa cgaanaaggg 300

ngtnatnagt ttcggaanta caangcttcg gctattcatg ttncctgncc ctnaggtaca 360

aagnattggc ttgacttggc nnggaaaacc aagttttact ng 402

<210> 18497
<211> 430
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-008-Q1-E1-D3

<400> 18497

aaatgggttc tcctgggncc caccggtccg gganantccc gggtcgaccc acgcgtccgc 60

ccaaaacgtc cnttacggct gcgaagaaag acgaacagaa agggtacggg cttgcgaaga 120

aagacgacag aangggtacg ggctgcgaga agacgacaga aggggtacgg ctgcgagaag 180

cgacagaagg gtacggctgc nagaagacga cagaagggta cggctgcgag aagacgacag 240

aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg acagaaggat 300

acggctgcga gaagacgaca gaaggatacg gctgcgagaa gacgacagaa gggtacggct 360

gcgagaagac gacagaaggg ggtacataaa agcttaaaat aaaatntnan cnncaaaaaa 420

aaaagcggcc 430

<210> 18498
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-005-Q1-E1-F8

<400> 18498

aagacgacag aaggggaagg catgaaagag gcaactaatg gctatgatga gagcagaatc 60

ttgggccagg gaggtcaagg aacagtctac aaagggatat tgccggacaa cactatcgtt 120

gctataaaga aagctcggct tgcagacagt agacaagtag atcagttcat ccacgaagtg 180

ctcgtgcttt cacaaattaa tcacaggaac gtggtcaaga tcttgggttg ctgtctagag 240

actgaagtcc ccttgttggt ctatgaattc attaccaatg gcacccttttt cgatcacttg 300

cacggttcca tttttgattc ttctcttaca tgggaacacc gcctcagaat agcgatagaa 360

gtcgctggaa ctcttgctta tcttcactcc tctgcttcta atccaatcat ccatcgcg 418

<210> 18499
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-005-Q1-E1-F9

<400> 18499

cctgtnctac cggcccggaa atcccggatc gacccacgcg tccgcccang cgtccgtgcg 60

agaagacgac agaaggggg aggtgaagct ggcaaagatg ctgagatggg ggaggagctt 120

aaaatgagtt ttacatcccc tcagtcagca gtgcaagaag atgatggagg ggagtcaaag 180

acggagggga gtagtgaaag cagcaaagca agatctggaa gtcacagaga ttttcagcaa 240

gaagaggacg ttatttaaga taagcattct tctcgaccag ctaacaatag gaaacagtac 300

gataacaatg cacctcatca gagcagaaag aatcaggaca gagggaagga aatggaaaga 360

acacgagcgg cgagcaaagg tgatagagag aactctaatc cacatatgga gctcgattct 420

acttatatct actcaattgc aagtcgcgag gattttgata aaagaaaaga gcgagatgtt 480

tatggggcaa tct 493

<210> 18500
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-005-Q1-E1-E3

<400> 18500

actggtntgc cttgccctag ccgtccggan atccaaggtc gacccacgcg tccgcccang 60

cgtccgccca cgcgtccgta cggctgcgag aagacgacag aaggggatct cgcgagagac 120

agaaagggac gattattggt tggtgaaatt tagagcattt ttgggaattg ggtaaacttt 180

tcgatggcga cttcgaagct tcaagctatt tggaatcacc ctgccggacc taaaaccatt 240

catttctggg caccaacgtt caagtggggt attagcattg ccaacattgc agactttgcc 300

aaacctccag agaaactttc ctatcctcaa caaatcgcgg ttacatgcac tggtgttatt 360

tggtctcgtt acagcatggt aatcaatccg aaaaactgga acctcttcag tgttaatgtt 420

gctatggcaa ggacaggcat ataccaactt gctcgtaaaa taaaacacga ntatgcaacc 480

gaanctgaac ctgccttgcg 500

<210> 18501
<211> 479
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-005-Q1-E1-G10

<400> 18501

ccggnccgga aatcccggan cgacccacgc gtccgcggnn gcgagaagac gacgaaggac 60

taagacatca cgaggaacac gatgggtgaa gcggtcaagg atgggagaga agaagtgatt 120

caagcttggt atatggatga tagtgaagag gatcagagac ttcctcacca caaggatcct 180

aaagagtttg tatcgttgga caaacttgca gagctgggag tacttagctg gagacttgat 240

gctgataact atgaaaccga tgaggatttg aaaaagatcc gtgaatctcg tggttactct 300

tacatggact tttgtgaggt atgcccggaa aagcttccaa actatgaagt gaaagtgaag 360

agctttttcg aagaacattt acacactgat gaggagatcc gttactgcgt tgcaggaact 420

ggttactttg atgtgagaga tcgtaatgaa gcttggatta aggtattggt aaagaangg 479

<210> 18502
<211> 332
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-005-Q1-E1-G11

<400> 18502

aactggtttg cctggctcta ccgncccgga natcccggaa tcgacccacg cgtccgacgg 60

atgcgaagaa gacgacagaa gggtacagct gcgagaagac gacagaaggg aggncanaga 120

ggtgttcagt gttctcttat gtatgcgtgt atgannnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnattttttg ctgcaatgaa 240

aataaaaact tgtanatact taacttcagt tttgttttct tatgtcaatt tagctcaaaa 300

aaaaaaaant tcnaagnana naaaaagcgg cc 332

<210> 18503
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-005-Q1-E1-G6

<400> 18503

agaaggggac tgaaagaaaa aaatgaacaa actctccaac gctttctctg tcctggcttt 60

cgccgatgaa gatgctccaa tggcttcttc ttcttccact gggaaacaag aagaaagtgt 120

aaatgggtca cttgaggatg gagattacaa gcaaccactt gtttggattg acttggaaat 180

gactggatta aatgttgaag ttgacaggat attggagatt gcatgtataa ttactaatgg 240

agatttaaca caatcagtgg agggtccaga tttagttgta cgtcaaacga aagactgttt 300

ggataaaatg gatgactggt gtcaaactca tcatggagct agtgggttga cgaagaaagt 360

gctcctcagt gcgataactg aaagggaaac tgagcaaaag tcatcgaatt cgtaangaag 420

<210> 18504
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-005-Q1-E1-G8

<400> 18504

tcttaaaatg ggctgcaacg aatctcggat atccatcctt ggcagagata gaagctgctc 60

caccaacagc tgagcttgag cccattcgtt ctgactattc tcagctcgat gaagtcgacg 120

tgggaatgac atatgaagag ctttcagtct atggaaggat gaggaagata ttccgttgtg 180

gaccagtatc tatgttcaag aatctatgtt acaagtgggg aacaaagcta agcccagcag 240

aagtagctga gaaagtgaag tatttcttca aatattattc gatcaatcga cacaaaatga 300

ctgtcctcac accgtcctat cacgctgaga gttactcccc aagaggacaa cagattcgat 360

ctgangcagt ttctgtacaa cagcaagtgg gcataccaat ttaaagaaga ntg 413

<210> 18505
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-005-Q1-E1-H2

<400> 18505

agcntccgga atcccaggtc gacccacgcg tccgtacggc gcgagaagac gacagaaggg 60

ggcgccgcgc tttctctctc taaacttagc tcagcctatc gattaattcc tctccggaat 120

aaggaaattt cacctcgatt tattgattag tcggaagaat tcggaaccaa ttctgaacca 180

gacctgaaat tttccaatgg ggcggaagaa gccgagtgct cgaggtggag atgctgagca 240

gcaacctcct gcgtcatctc tcgttggtgc tactaaatct aagaagaaag gtgctcaaat 300

tgatgacgat gagtactcaa taggtactga gttgtctgag gagtctaaag ttgaggaaga 360

gaagttgttg ttatcactgg gaagaagaag ggtaagaaag gtaataagaa gggtacgcaa 420

cangatgatg atgatgaatt ttccgataag gttccgctgc cggggtnaaa gacat 475

<210> 18506
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-005-Q1-E1-H9

<400> 18506

tgtgtntacc ggcccggaaa tcccgaancg acccacgcgc ccgcccangc gtccgtacgg 60

ctgcgagaag acgacagaag gggaaaaata aaaaaaaaaa cagagaaaag gagatatgga 120

atcaatcgga gtccttatga tgtgccccat gtcctcctac ctcgagaacg agcttgagaa 180

gcgcttcaac cttcttcgct tctgaacttc tccggagaaa tccgtcctcc tagaaactca 240

tcggaactcc atccgcgccg tcgttgggaa tgcttctgcc ggcgccgatg ctcagctcat 300

cagcgatctg cccaaccttg agattgtatc cagcttcagc gtcgggctcg acaagatcga 360

tttggggaaa tgcaaagaaa aagggatccg cgtcaccaac acccccgacg ttctcaccga 420

agacgtcgca gatctccgcc atcgggctta tcctggctct ccttcgacgg gtgtgtnaag 480

tgcga 485

<210> 18507
<211> 421
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-006-Q1-E1-A12

<400> 18507

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atactcggtt tgggcattac cagatgagga atcngagccc cgattcaaaa agctaatgga 120

tgctttgaga tccgaattca ctggcccaag attcgttcct cacgtcaccg tcgccgtatc 180

tgcttatctg acngcagacn aagccaagaa gatgttcgaa tcagcttgcg acggtcttaa 240

agcttacacc gccaccgttg atcgcgtctc caccggaact ttcttctttc aatgcntttt 300

cttgcttctc caanccaccc ctgaggtaat ggaagctggt gaacactgta anaancattt 360

caattgttcc actancacac cttacatgcc gcatttgagc ctactttacg ccganttgac 420

a 421

<210> 18508
<211> 427
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-006-Q1-E1-B10

<400> 18508

agaaggggga gggagatang tcantcctca aaattaccan acanacatta nctccantaa 60

ttgcaacaga tcactctcac gcaaacaang acttttcaaa agccctaatc cgagaaatca 120

ttcgacaaca ncacgangga gatggatcta naagattggg aaatactccc caaaatcaac 180

tacaagggtc tcgaacttga tctcggtcat gaagaggatc atgagagtta cgaanatgat 240

gaagaaacac cgcanaaagc ttcgacagtg attacntcat ctgcncaatt caagattctg 300

tcggaaagat agagtttctt catcagatat ctagcgtggt ccccanacaa ctcctcnaag 360

attccaatan cttgggaacc tttgtccccc gtggacnaca aagatnacaa taagtacctg 420

gattcgg 427

<210> 18509
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-006-Q1-E1-C11

<400> 18509

gcgtccgtan aagacnacag aanggtacgg ctgcgagaag acgacanaag ggtacngctg 60

cganaanacn acagaagggt acggctgcna gaagacgaca gaagggtacg gctgcgataa 120

gacgacagaa gggggccgtc aaaggttaaa cagtcnaaac aatggngatt ctgaancttg 180

atgtagcgaa gtttccagaa attgangata naagtcgaat taactaaccc aaagagaaac 240

gacgaagtag aagattgcga cgaccaacaa gangcagcag ctagctacac angaagatga 300

anaggaagac nanttgagaa agcttctgct ttcagatatt ggagaanttc cgatttctcc 360

tccttcagct acacaagtca attttgtttc ttacttcatc acagatttta ctaaatcggg 420

tcatgatcaa tatatttacc gtcacgctaa t 451

<210> 18510
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-006-Q1-E1-D10

<400> 18510

gaaggggact tggtcgtcat ctaccttctc agaaagggag ctgcatcaat ggcgaccaat 60

aatgattttg gagctttcat tgagaaagtt acaatctctc caacttctac ttcctcgtcg 120

cctccttctc tacagggtct tactttcgcc attaaagaca tttttgatgt ggaaggacgc 180

nttaccggtt ttggtaaccc ggattggtta angacacact cggcanctac ttctacagct 240

ccantagttt catctctctt ataagctggt gccacanctt tgggtattac cattatggat 300

gaaatggctt anagtataaa cggagaaaat gcgcattatg ggactccgan aaacccgatt 360

gctttcgata gagtgcctgg ggggattatc gagtggctca anccgtaact 410

<210> 18511
<211> 392
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-006-Q1-E1-D9

<400> 18511

ggattacggt acctttagaa agagaagctt ccatatatca cagccatggt ggttgtcact 60

cacatctcca cttccttcca ncaaatctct ccttccttct tccatctccg tcttcgtaat 120

ccctccacca cttcttcgtc tcgtcccaaa ctcgacggtg gtttcgcttt gtcaattcga 180

gcttacatag agaaaccaaa ctctttctcc accttcgcta acaaagtcat cggttctctt 240

cccgttatcg gactcctcgc tcgaattatc aagcgatgaa ggcggcgttg gtagagatct 300

cgtcgatttc gctgagttta ggaaacgagt tgggaataaa tgtactcctg atgattctag 360

ggctttctat gagttccaac agcgacgaag ca 392

<210> 18512
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-005-Q1-E1-B4

<400> 18512

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aagacgacag aagggtacgg ctgcgagaag acgacagaag ggggacacag aaacaatcca 120

aaggtgagat ctcttatagt ttcgagattc gaggaagact tttggatacg atcagcttca 180

gtcttccaca acttaacatt gctcagggtg ttggatcttt ctagggtaaa gtttggagga 240

gggaagttac cttctagcat tggagggctc atccacttga gatacttgag cttatacgga 300

gctgtggtat ctcatccacc ttccactaat gcggaactta aaagcttccg ctccttttg 360

aacttacctt gtttgataac aanggaaccg attcacgttg ncaaaatgtt ttngaaagaa 420

atgctaanan nttaaggtaa cctttcccaa ctcnagggaa aatgggtgat aaaaaccaaa 480

tttgggaaat tggggtgatt cnaa 504

<210> 18513
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-005-Q1-E1-B5

<400> 18513

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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nagttgaaca 120

gttgcttcaa gcagctcaag atgagatgat actaaagctc tctgttgatt ctcacacttc 180

tcgatcttct tccgattatt tagatccaga tcttcactct agatttctcg ctctcaaatc 240

tcaaaagaag aaggatcagc agcaacaaca gaaacaacgg ccgagaatgc agccgaaatc 300

aaaggatgtg gttgaggaaa caccaagaag atctcatgct tagattcgcg gctctgaaaa 360

cttctctccc ctccgcgtct tcttcgtcct ctgttcttct tcangatgaa atccgagaaa 420

gatggtgatg aaatcggaga aaatgctgaa nttggt 456

<210> 18514
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-005-Q1-E1-B3

<400> 18514

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aagacgacag aaggggaaag aagagatgga gaatactttg tcgccgttgt tgtcaccgtc 120

gccggcaagt gaagtcgctg cgagagtatc gtctttgttc gtttatccga tcaaatcatg 180

tcgaggaatt tctctgtctc aggcagctct cactcccacc ggatttcgat gggatcgaaa 240

ctggttgatt gtgaattcta aaggaagagg attgactcag agagtggaac caaagctttc 300

tttgattgaa gtagaaatgc ctaagcatgc gtttggagag gactgggagc ctgagaagag 360

ctctaacatg gtggttagaa gctcctggta tggatgccct taangtctcc ctagctaaac 420

ccgacaaaat acagacggtg tctcaatttg ggaattggtc tggctccgca ctanatgaaa 480

ggaaa 485

<210> 18515
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-005-Q1-E1-B6

<400> 18515

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acaaaaaaaa aggaaggcgc gtcagtgatg gagaagatta ttgacgtagc ttatggcgca 120

tcagtgaagg tgggtttgac gttgttggag atgaatctgt tgccggatat tgtcattagg 180

cggctcacac gtctgcttct ggccggtcgt ctccgttccg gttacaaacc cacggcggag 240

atgcaactct ccgatctcct ccgttttgtt gactctataa agaagatgcc tatagctatc 300

cataccgaga agccaaagac tcaacactat gaattaccga cagctttctt cgaacttgtc 360

cttggaagaa acatgaagta cagctcttgt tacttctcaa acgattcaag tagcttanaa 420

gatgcanagg aagcaatttt ggctccttaa t 451

<210> 18516
<211> 282
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-005-Q1-E1-C1

<400> 18516

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gagaagacga cagaaggata cggctgcgag aagacgacag aaggatacgg ctgcgagaga 120

cgacagaagg gtacggctgc gagaagacga cagaagggta cggctgcgag aagacgacag 180

aagggaactg atactgtttt gagattttat gtttgtcaag atcaagaacg tctgtggtta 240

tttctggttn nnnnnnnnnn nnnnnnnnnn nnnnnnngcg gc 282

<210> 18517
<211> 493
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-005-Q1-E1-C10

<400> 18517

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aacgtccgta cggctgcgag aagacgacag aagggtacgg ctccgagaag acgacagaag 120

ggtacggctg cgagaagacg acagaagggt acggctgcga gaagacgaca gaagggtacg 180

gctgcgagaa gacgacagaa gggtacggct gcgagaagac gacagaaggg gatggcaacg 240

atttcgtcaa ctctactctt aaattcttct agatcagctt taccactaag attcccaaaa 300

ttctcgggat tttcttcttc ctctccattc gctagatctt acanatttgg acgacntaat 360

ctggaaccac tttccaacgg gatgctttcg tcnggaagta nagccgacgg tgctacggcn 420

gcggctgcat cnatggnang antgatgacg gaggcnatga anctgattca tcggggttta 480

caactttgga atc 493

<210> 18518
<211> 502
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-005-Q1-E1-C12

<400> 18518

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ancgtccgta cggctgcgag aagacgacgg aaggggggggg tcgcagtgac caggcccggg 120

cgactgttta ccaaaaacac aggtctccgc aaagtcgtaa gaccatgtat gggggctgac 180

gcctgcccag tgccggaagg ttaaggaagt tggtgacctg atgacagggg agccggcgac 240

cgaagccccg gtgaacggcg gccgtaacaa taacggtcct aaggtagcga aattccttgt 300

cgggtaagtt ccgacccgca cgaaaggcgt aacgatctgg gcactgtctc ggagagaggc 360

tcggtgaaat agacatgtct gtnaagatgc ggactacctg cacctggaca gaaagaccta 420

tgaagcttca ctgttccctg ggattggctt tgggcttttc ctgcgcaact taagtggaag 480

gcgaaaaang ccccttccgg gg 502

<210> 18519
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-005-Q1-E1-C2

<400> 18519

antggttgcc ttgcctagcc gtccggaatc cagggtcgac ccacgcgtcc gtacggctgc 60

gagaagacac agaaggggggt ctcagcgccg cgtttttttct ctcctcatcc tctcgacgaa 120

ttcctctcaa gcttgcttct tccatttttc tcttagacca atctcgcttt cgcatccctc 180

ctatgccatc ctctcgaaac gagacccatt tctgtgttct caacccagaa aatgccttac 240

tacgaatttg aatatgtcaa gaacgagaca agggcattct atacaaatga acagaagaca 300

tcttcttatg aaagaaagga agagtttttc gataaattat tccgataagt tcagagatga 360

ttctatgagt agcgaggaga tgcatacaga tgctttggat gtggagatta ttccgccaga 420

ttcacaggac attcgtaatt cacaagaact ctgctgtctc caacacacta caggatgata 480

nggcaaaagt 490

<210> 18520
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-005-Q1-E1-C5

<400> 18520

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tcgttggatt gaacaaagga cacgtcgtca ccagacgtga gctagctcct cgtcccaatt 120

ctcgcaaagg gaaaacgagc aagaggacca tattcataag aaaactgatt agggaagtag 180

ctggaatggc tccttatggg aagagaatca ctgagcttct caaggttggg aaagacaagc 240

gtgctcttaa ggttgctaag aggaagttgg gtactcacaa gagagctaag aggaagagag 300

aggagatgtc tagtgttctc cgcaagatga ggtctcttgg tggtgctgct gctgctgaga 360

agaagatgtn nacatcctaa taagcttctg tgttatggca taattccttc caat 414

<210> 18521
<211> 414
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-005-Q1-E1-C7

<400> 18521

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gatcgccatg cccttgaact acttgagaaa atgttggtac ttgacccatc tcagagaata 120

tgcgcaaagg atgctcttga tgctgagtac ttttggactg atccgctgcc atgtgatcca 180

aagagtctac cgacatatga atcatcacat gagttccaga caaagaaaaa acggcaacag 240

atgcgtcata atgaggaagc agccaaaaaa cagaaactgc agcatccaca gcagcaacat 300

tctcgtttac ctccacagca acatggtgtt ggccagtctc atgccgctcc actttggcct 360

gctggaccaa accaccctat gaacaacaac gcaccancac cccaaatact gctg 414

<210> 18522
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-005-Q1-E1-D1

<400> 18522

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acgcgtccgg ctgcgagaag acgacagaag ggggagtttc tgtgaactca aaaaaaaaat 120

caaatccttt ttgagtttca atctctgaga gtttctatga aacaatcgtc atggggttgc 180

acaatcttca tccaattatc tctatgtctc atcatctatg tgtctctgca ttcgggtcac 240

ccattcttct tctctagtga cgacggtgac aatgccacac ctctagatct tcatttcatc 300

tccgttgccg gcggtttcag gcctcttaac caccaaactc gccttctccg attgatggag 360

aaagttgcag aaacttacaa ggccaaattt gttgtgagct caagtgaaca agggagaaag 420

aaagattcat tcctgcaaaa tgcgactcga ctgtcttctt cactgaaact ttcaatgggg 480

acactaagaa tgaaaggatc 500

<210> 18523
<211> 506
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-005-Q1-E1-D3

<400> 18523

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tgcnaaagac gacgaagggg atgaagataa agcaccatcg gaggcacaag tggcatagct 120

caagaaagac ttgcgatgat gacagtaccg aagatgtgag aagaaaacat ttaaagcatc 180

acaggcgcag tgaggtggtc acttcaagtg atagtgagga agagagtgga agaagaaggc 240

gaggcaaata tcacaggcac aacagaggtt cagcctcctc gagtggctcg gaagaagata 300

gtgggaaaag tatgaagaga aggcaacata aaaggcatcg tttggctgag tcttcaagtg 360

aggaagatgg ggcaatgaga aggactangc atcataaaca tggcagagat tcagcatctg 420

agtctgatgg aaagaaggta atcagatgag aaaagagagc actacttcga caaatgaaaa 480

tgggaaatgt ccttgttaat tcacat 506

<210> 18524
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-005-Q1-E1-D4

<400> 18524

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tcgaagagag gcagagagag agcgatgatg attcgaacgg cgttagtgtt cgttgtcttc 120

ttcgtcggaa cagtcgtaca agcgcagctg atacctccgg cgaggcgtga tggatttttg 180

tatccaccgg gtcggaaaat cgaccgggat acgatactta tcgaggcgta tattgacccg 240

gtttgtccgg attgtagaga cgcttgggag ccgctaaagc tagcgattga tcactatggn 300

tctcgcgttg ctcttgttct tcacctcatt cctttaccct tccatgacaa tgcatttgta 360

gcatctcggg ctttacacat cgttgatacc ttaaacgcca atgccacgtt caatttgctg 420

gaaagggatc tcaagcatca gacattgttc tacaactcgc aaacacaact catgt 475

<210> 18525
<211> 338
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-005-Q1-E1-D5

<400> 18525

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cgagaagcga cagaagggta cggctgcgag aagacgacag aagggtacgg ctgcgagaag 120

acgacagaag ggtacggctg cgagaagacg acagaagggc acggctgcga gaagacgaca 180

gaagggtacg gctgcgagaa gacgacagaa gggtacggct gcgagaagac gacagaaggg 240

tacggctgcg agaagacgac agaagggctc tgttatgaga cttnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngcggcc 338

<210> 18526
<211> 490
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-005-Q1-E1-D9

<400> 18526

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gctgcgagaa gacgacagaa gggggagaga gtttaaatag aaaacgaatt agttgtgtat 120

tcaaaccaag gaaagaaaac gagagaggta cgtagaagaa aatggctgcc ttatcagaga 180

aagaggctga agcttatctc gacgcaaggc ctagatatcc gatcgattgg tttaagaaaa 240

ttgccgcacg gacacaggac cacaaatttg cttgggatgt tggaactggt aatggtcagg 300

ctgctattgg gcttgtggag cattacgaga atgtagtggc taccgatata aacgaagcac 360

aacttcaacg agcaatcaaa cactcaagaa tcagttacca tcacactcca acaacgatat 420

cagaagatga gatggtggat ctactcgggg gagaaaactc cgtggatctc atagttgctg 480

ctcaagctgt 490

<210> 18527
<211> 273
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-004-Q1-E1-G3

<400> 18527

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cctaacagac cggtagactt gaacattcca atatgggctg agaatcggtt tgggccgggg 120

atagcaattt gatgttatga tgctaggcga actgtaagaa agatatcaaa aacagaaaag 180

tggagctttc tgattaggta attgctctta aagctaatat aaagttataa tttggatatt 240

aanaaaaaaa ananaagnaa aaaaaaaagc ggc 273

<210> 18528
<211> 476
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-004-Q1-E1-G8

<400> 18528

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atgaaagcct cacgcaactc aaagaaaatg agatgttaag gacgaagttg aagcacctgg 120

ctgatcaatt tatgctttca gaacaacaac atgagcaaag gttgaagcag aaagcacttg 180

agctacagat ctctgcttta aaaattaaac agcacgagga gaaactcatc catgaacaat 240

ctcagatgaa agtttacgca gatcatgttt ctcagctttt gtctactgag aaaaatttgc 300

ggttgcagct gacttctgat gganataana ttccancagt tccaggacgc gttggntaag 360

agcaatgaag gtgtttgaaa cattcaagcc aggaaatccg ataagnttgt cnaaagcaat 420

ccaangnact cnananggga caccncatcc ttggagaaca aaaantgagg aaatcg 476

<210> 18529
<211> 532
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-004-Q1-E1-H1

<400> 18529

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tccgtacggc tgcgagaaga cgacanaagg ggacacttga ncactacttt cgaactctct 120

ctttatctct cttgnaatga agctctctat gcgtttgatc tcaggctgtt ctcatcatgt 180

tcatgatatt cgtcgccact gggatgggac cagtcactgt ggacgcacgc acttgtgagt 240

cgcacagcca taggttcaag ggtacatgcg tgagtgcatc aaactgcgcc aacgtgtacc 300

acaacgaagg ctttgtcgga ggtaactgcc gtggattccg tcgtcgttgc ttctgcacca 360

agacattgct gatctaccca ttctcatgca taattcaact ttgatccatc gtcgtgtgtc 420

aacttctttc ntatcnaanc ttcngtacag gtaccatgaa gttnncgtac attagtgtgt 480

tccaaatnag tccttggatt tggcgggttt cccggtttaa ntgtagggtt ta 532

<210> 18530
<211> 428
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-004-Q1-E1-F5

<400> 18530

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atcaaagttc tatgaaggaa aatctcaatc attcacatca ctaggaaatg ttaaaagcct 120

tgaagatctt atgaagagag ggtttaaaag tagaaactat ggagcaaaaa gaaagtcatc 180

taggagtact ggagggattt tagatcaaag ctacaaaagg gtttttagtc ctaaagctac 240

aatctccaag aaacccaaca gaacaccttc ctctgttctc tcttgtctag ccagaagaag 300

acattagatc tcagacaaac attagtttct tttacaagtt ttaacccttt ttacgattca 360

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aatgggtn 428

<210> 18531
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-004-Q1-E1-H10

<400> 18531

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acattgcttt cgtccccgac gaacctagcc gagggttttt acttggaacg agacagactt 120

tgttagagac taaagatggt ggaagcactt ggaatccacg ttcgattcct tcagctgaag 180

aagaagattt caattataga ttcaattcga ttagctttaa aggcaaagaa ggatggatta 240

ttggcaaacc tgcgatttta ttgtacactg ctgatgctgg agagaattgg gatangattc 300

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gcaaaaatgg gtacctgata aagggncatt tagtaactca acaagg 406

<210> 18532
<211> 396
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-004-Q1-E1-H11

<400> 18532

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gctcgttgtc taggtgaanc gataaaggca aagagtctga aaggtgaaac agaagaaaat 120

gaagaagagg gttataanag gattgaagaa ggtttnaaga agtatgcagg agaaaggaaa 180

tggagaagca ttgatcttat aacaacggca tatacagtan gattcataca gcagagcana 240

gggaagtgga tgaacatgtt cagagacagg ttcctgtcgt cttacctttc cangatgctg 300

ctgaaaaact cccatttcga ttgcggaacc ttgtcccatg atgattcnca aacaataant 360

canaaaccnt gtgnntcctc ttgtcaccnc caaact 396

<210> 18533
<211> 509
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-005-Q1-E1-A10

<400> 18533

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cganctgcga naagacgaca gaagggtacg gctgcgagaa gacgacagaa gggggtgcta 120

ggttgttctt gggtggtata ggtgtggaaa acaccggaac tgagattgca actgctttga 180

acaatatggt cgtgagctgc gagtacattc tcaaactaaa gcatgaaatc gaggagcaat 240

gtactgaggt atttcctgca ccagcagatc gagagaggat aaaatcatgt ctatccgagc 300

taggcgagtt aagcagcacg ttcaagcagt tactcaactc aggcatggaa cagctagtag 360

caaccgtaac accaagaatc cgtccggttc tagacaccgt ggctaccata agctacgagt 420

taacagaaac cgagtacgca ganaatgagg tgaacgaccc ttgggtccaa aagacttctc 480

cactcaatcg aaacnaaatg ccgcgtggc 509

<210> 18534
<211> 504
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-005-Q1-E1-A11

<400> 18534

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aagcgtccgt acggctgcga gaagacgaca gaaggggacc agagacttaa actggtttct 120

gtatctttta ctgggttctt tcagatatat aaatggatca aatcgttaac gtggatgagt 180

ttcaagagct ggccaaacag gccctcccta agatgtacta tgatttctac aatggaggag 240

cagaggatca acacgctctc aatgaaaatg tccaagcttt ccgtagaatc atgtttaggc 300

ctagggttct tgttgatgtg agcaacatag acatgtctac aagtatgttg ggttacccaa 360

tctcagctcc catcatgatt gctccaacgg caatgcataa gttggctcat cctaaaggag 420

aaatcgccac agcgaaagct gcagctgcgt gtaacactat catgatagta tcattcatgt 480

ctacttgcac tattgaggag gttg 504

<210> 18535
<211> 483
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-005-Q1-E1-A12

<400> 18535

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agattcagct catgcaacgt cctaaattag gtcagattca gtgattagtg ataagtagta 180

acagagagat ttattaagat gttgtcgtcg tcaacagttt ctttcatgtt atttttcct 240

catgttttcg atccatatga atgaagctct tggtgctcaa attgaaatcc gcaaactcga 300

agagacgatg gtgatgagga ggaacaagaa aggtaatggc ttcgtaacct ccaaaataga 360

tgttccacca agcgcatcac aacattgcgg gggaggtaaa cgttttaaga acatggcgac 420

cactaatcgc catgatgatc agttcaatcc actttcanga agngtctctt cctccctccg 480

tat 483

<210> 18536
<211> 494
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-005-Q1-E1-A3

<400> 18536

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agggtacggc tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagagta 120

cggctgcgag aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg 180

cgnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngcggccgc tctagaggat 240

ccaagcttac gtacgcgtgc atgcgacgtc atagctcttc tatagtgtca cctaaattca 300

attcactggc cgtcgtttta caacgtcgtg actgggaaaa ccctggcgtt acccaactta 360

atcgccttgc agcacatccc cctttcgcca gctggcgtaa tancgaagag gcccgcaccg 420

atngcccttc ccaacanttg cgcancctga atggcgaaat gggaaccccc ctgttaccgg 480

ggcattaanc ccgg 494

<210> 18537
<211> 500
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-005-Q1-E1-A4

<400> 18537

aatggtttgc cttgcctagc ntccggaatc caaggtcgac ccacgcgtcc gtacggctgc 60

nagaagacaa cagaagggga aagctcaaaa agcaatgact cgaccgtcaa gattacttga 120

gacggcggcg ccaccaccac aaccgtcgga ggagatgatc gcagcggaat ccgacatggt 180

ggtgatcttg tcggctcttc tttgcgctct tatctgcgtt gctggtctcg ccgccgtcgt 240

acgatgcgct tggctccggc ggtttacagc cagaggagat tcgccgtcac cgaacaaagg 300

cttgaaaaag aaagctcttc agtctcttcc aagatccact ttcaccgccg cggaatcaac 360

ctccggcgcc gccgctgaag agggagactc gacggaatgt gctatttgcc tcactgactt 420

cgccgacggt gaagaaataa gaatgcttcc tccttgtggt cantccttcc acgtggagtg 480

tattgacaaa tggctaattt 500

<210> 18538
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-005-Q1-E1-A7

<400> 18538

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gagatctacc acggaagatg acaattcgag gagcttggag gagattgatg atggcacgca 120

aggtatgatt aggtttgatc atttctctct tgagaaccag agtggtttgt ctcgtttgga 180

ggcaaacgat gaagatgggt ctgttcaatc gggtagtcca ggatggatcg aacctagctc 240

cgatgttcct tatggtccga agcattttag tgagttatgg tctgattcaa gcagtgatcg 300

gcttgatgat cagaggttag tggatgatga tgtgaataac gagatgggta tagagagaaa 360

cgaatgggta ttgttgaata tatgaaagta tanctcaaga catg 404

<210> 18539
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-005-Q1-E1-A8

<400> 18539

aaagaaagaa aaaaagagaa ggcatggccg cggaagaagc gacggagttc tacctgagat 60

actatgtcgg tcacaaaggg aaatttggac acgagttcct ggagttcgag tttagagagg 120

acggtaagct ccgttacgcc aataactcta actacaagaa cgatactatt atccgcaagg 180

aggtatttct caccccccgcc gtgctcaagg aatgcaggcg tatcgtctcc gagagcgaga 240

ttctgaaaga agacgataac aattggccgg aacctgaccg tgttggaaag caagagctcg 300

agatcgtctt gggtaatgag catatctcat tcgctacatc taaagattgg atctcctgtt 360

gattgccaaa agcagtaatg atcctgaagg actccgcatc ctctactatc cttgttca 418

<210> 18540
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-001-Q1-E1-G3

<400> 18540

gacgacagan ggggcaaggg atacggtgtt tacaagtacg tcgacaagta tggagctgac 60

tcagacattg cganaagaaa cgtgcatgga agacgctgtg gtgtgtactc gtagtccttt 120

aaacggcaac cgttggatat gctttcacgt ttaagggaaa tagcgtggcg gagctgactc 180

agacatatga tatgaaccgt ataagaanat antaagagtt ggtanttggt acaagactcg 240

ttgttacata gattgaaaaa aggcgtcggc acatgaacct tgcttaatct atagactatt 300

tgtaagagtt ttgataatan gaaggactta taaattattt tttgggggaa tatnatacaa 360

gtttgttttt gtaaataanc caattctttg t 391

<210> 18541
<211> 168
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-001-Q1-E1-G5

<400> 18541

ggctgcgaga agacgacaga agggtacggc tgcgagaaga cgacagaagg gtacggctgc 60

gagaagacga cagaagggta cggctgcgag aagacgacag aagggtacgg ctgcgagaag 120

acgacagaag gggnnnnnnn nnnnnnnnnn nnnnnnnnnn nnngcggc 168

<210> 18542
<211> 400
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB35-001-Q1-E1-G10

<400> 18542

ggctgcgaga agacgacaga aggggatgcc ttttaggtca tctcatgaca tagttggaaa 60

actagttgga gtttgcgtct caaaaggctg tgaacttcag aacttaagtc ttgaagagat 120

gaaaaagctg agccctgtgt ttgaagaaga tgtgtttgga tttttggggg ttgaaaattc 180

agtcaataag ttcagttcct atgggtcaac aggatcaaac tgtgttgctg agcaacttgg 240

ctactgggtc aacaagctca acattacttc cacctgatcc ggaccaaacc attagcaaaa 300

gatttgatga cgtttgtgca attttcatat ttattgaagg atttttgtcc ttaataccaa 360

ggaagatttc aagcaacntg ttgcaaccgg tttgagaaaa 400

<210> 18543
<211> 480
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-001-Q1-E1-H10

<400> 18543

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tccgtacggc tgcgaagacg acagaagggg caagggatac ggtgtttaca agtacgtcga 120

caagtatgga gctgactcag acattgcgag aagaaacgtg catggaagac gctgtggtgt 180

gtactcgtag tcctttaaac ggcaaccgtt ggatatgctt tcacgtttaa gggaaatagc 240

gtggcggagc tgactcagac atatgatatg aaccgtataa gaagatagta agagttggta 300

nttggtacaa gactcgttgt tacatagatt gaaaaaaggc gtcggcacat gaaccttgct 360

taatctatag actatttgta agagttttga taatangaan gacttatana ttatttttg 420

ggggaatata agacangttt gtttttgtaa ataagcgaat ttcttgtnaa cgaacatttg 480

<210> 18544
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-001-Q1-E1-H11

<400> 18544

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tccgcttgga accaaacatg gcgagtcttg gccatatagc cagagaatca tcagacatca 120

cacgcctcgc ccagttttac aaagaggtgt ttgggttcga ggagatcgaa agtcctgatt 180

ttggagacct acaggtggtg tggctaaact taccaggtgc ttttgcaatg catattatcc 240

agagaaaccc ttcaacaaat cttccaaaag gtccttacaa gtgctacctc agcggttaag 300

gatcctancc atctcccaat gggtcatcan aacnggtttc cccgtcccaa atttcgactc 360

cttccntaat tctctcaagg gagaaangga t 391

<210> 18545
<211> 390
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-001-Q1-E1-H2

<400> 18545

ctgcgagaag acgacagaat ttttgaagct tctctctgct tatcgacacg atggttctcg 60

aggcgactat gatatgtatc gacaactccg agttggatgc gaaacggaga ttaccctccg 120

tctaggttac anggcgcaaa cggaagctgt taancttctt tgcgggagcc aaaacccagt 180

cgaatccgga gaatacggtg gggattttga caatggctgg gcaaaggagt tanagtattg 240

actactccna cctctgatct tgggcaaaaa ttctgggcct gtattgcacc ggccttnnat 300

gttgggaaag aagagatnta acttaacccg caagctaatc caagatttgc ccancctaac 360

ctcttnannc aatcccccaa aaccaaggaa 390

<210> 18546
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-001-Q1-E1-H3

<400> 18546

agaaggggat ctcaacgacg acggagccaa ggcttcaact ttcagcggng atgaaactgc 60

tcctttcntc ggattccttg gcgctgccgc cgctctcgtt ttctcctgta tgggancagc 120

gtacgggaca gcgaanagcn gggttggngt agtgtcgatg ggtgtgatga gaccagacct 180

tgtgatgaaa tcgattgttc ctgttgttat agctggagtt ttangnantt atggtttgat 240

cactgctgtt atcaanagta ccggaatcaa ccctaaggcc aagtcttact atctattcna 300

tggctatgct catcnctctt ccgggtcgtg cgtgtngtcn ctcaggtctc tncgccggta 360

tggctattgg gaantgtccg cgaagccggg tgttagancc aatg 404

<210> 18547
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-001-Q1-E1-H5

<400> 18547

ggctgcgaga agacgacaga aggggctctc gagagcagaa acagagtcac cggtaaactc 60

atctccggcg acataaaaac acaaaagttc atatatttag attctggtga ttctctgctc 120

taatgggtca atctcaagtt tctctctttc ttcttctaat tcttgttttc atctatggag 180

tttcctccac cactttcacc atcgttaacc agtgtagcta caccgtctgg cctggacttc 240

tctccggcgc cggaacctct cctttaccta caaccggatt ctccttaaac cctaccgaga 300

cacgagttat cccgattccc gcagcttggt ccggtcgtat ttggggtcgt actctctgca 360

cacaagacgc aancancgga agantcactt gcatcaccgg gggaat 406

<210> 18548
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-001-Q1-E1-H7

<400> 18548

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ttgcccttgc atccctcgag gttgacctaa gggagcatag aaccaaggaa actaccgtga 120

cagtcaagtg gcgtggaaag cccgtcttca tcaggcgaag aacagaagat gacatcaagc 180

tggccaatag tgtggatgtt ggatccctga gggacccaca agaagactcg gttaagagtc 240

aagaatccaa gaatgggttg atcgtggttg gagtatgcac tcatttgggg tgcatcccct 300

tgcctaatgc tggtgattat ggtggttggt tttgtcccgt gtcacggatn acattacgat 360

atatctggaa gaattaagaa angtcctgca ncatacaacc tggaanttac cgacctac 418

<210> 18549
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-001-Q1-E1-H8

<400> 18549

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gagaagacga cagaagggta cggctgcgag aagacgacag aaggggttc ttcgtcgtta 120

tcaattcgga gatgattccg tttcctctgt taccaacgcc gattgaaacc aactacagag 180

cttgcaccat tccttataga ttcccttccg ataatctcaa gaaagccact cctactgaaa 240

tctcctggat caacgtcttc gccaattcca ttccttcttt caagaaacgt gcagagagcg 300

ataccagtgt tccagatgct cctgctagag ctaaaatttt tgaacaanag atatgcggga 360

tttcctgaaa ggctggaaga aaagattcaa anagtaatg 399

<210> 18550
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-002-Q1-E1-C1

<400> 18550

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atcagtctga atgcgatcaa gatcgtcccg gggaaataca gttctctcac cgatcatcag 120

tttcgtgcgc cgtatcgaat taggtgcgcc gccgcttcac ctgggaaaaa acggtataac 180

atcgctctgc ttcccggaga cggtatcggt ccagaagtta tctctgttgc taagaatgtg 240

cttcagaaag ctggatctct cgaaggactg gagtttgatt tcaaggagat gcctgtcgga 300

ggagcagcct tggatttggt tggagttcca ttgccggagg aaactttcac ggctgcaaaa 360

ctatctgatg ncattcttcc tggagctatt gganggtaca aa 402

<210> 18551
<211> 439
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-002-Q1-E1-D1

<400> 18551

gcgtccgtac ggctgcgaga agacgacaga aggggaaaac aaaaaatggc tacccgaaaa 60

gctctgatca acgttcaccg gatcattcgc tccaccgccg tggttggccg gagctctatc 120

attcctgccg ccgctaaccg gtcatatcct attatattcc ggaatggagt tgatttgggg 180

gcgagattct tctgtgagaa cactgcgtct gcccagaatt tcgatattga tctctctaac 240

gaagagaata aganaagaac gatcaacaga ttgttgtata ggagcaagca aagagggttt 300

ttggaacttg atcttgtttt ggggaattgg gttgaggaga atgttaattc catggacgaa 360

aatggtgtta aatccctaat tcatgtcctc aatttggaaa accctgatct ctggaaatgg 420

ctaactgaac ngaacaagc 439

<210> 18552
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-002-Q1-E1-D2

<400> 18552

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tccgtacggc tgcgagaaga cgacagaagg ggacccatat ctcacgctta attacagtat 120

tgccactcat taaaaccgta ccatcttaac caaagcgata acccgtacca ccggttcagc 180

tatggaggat ttattggagg agaggctaac tcggactgac tctgtcggga ataaacgagt 240

cagagacggg ttagacctcg actcgccgga cgtgaagcgg ttaagagatg atttgttcga 300

tgactcgggg cttgacccag tgagtcaaga tcntgactcg gtgatgaaga gtttcganaa 360

tgagttatcc gacaacgacg gcggcgctaa ctccggtgaa actcanccgg atttgggata 420

cttttcgaag ttctatgaca actngtttgc accgncgctt acgc 464

<210> 18553
<211> 372
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-002-Q1-E1-E10

<400> 18553

tggtgttnct gaaggaagac ctgtcanaca acgtcgcctt ccttgctgtg gaattggtcn 60

tggatggttc ctgttcattg ttggattttt ccttggagca atcccttggt atgtcggatt 120

gttcatcatg atgtttggaa ggagaatcga ttacagggag aaaccaagga tacattgcct 180

gcactatcgc tgctattcta gcaacaatcg ctgtgattct gggtgtatct aaaggagcaa 240

gacgactggt gatgggatca atcatcttgt gggggttact ccaaaaatgt tttgtatagg 300

tttccttanc ctgtgttgta ntaacctact ttccttttt acntacncca atgaagaaac 360

caaggaaaaa aa 372

<210> 18554
<211> 387
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-002-Q1-E1-E2

<400> 18554

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gagaagacga cagaagggta cggctgcgag aagacgacag aaggggttaa tgctttgatt 120

aatgttactg agacaactat cgcttcagga gatgataaag gctgcgttaa gatttgggat 180

acaagacagc gctcttgctc tcatgagttt aatgcacacg angattacat ttctggcatg 240

acctttgcat ctgattcaat gaagctagtg gtaacaagtt ggagacggga ctttgtctgt 300

ctgtaatcct agaacganta ngtcaatctc antccnantt ctgaagatga actactttcg 360

ttgtaaaatg aaaaatgccc ntaagtt 387

<210> 18555
<211> 364
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-002-Q1-E1-E8

<400> 18555

agccaattgt attcatcatc atcatcgtca tcatcgttgg ggtgagtata catacgatta 60

aagaaaccca aaaactccgg cgtctgttta ccgctatcat cattcttccg ggaagaggaa 120

aaggtttctt cgatcgtcga agagattctt tggacaagtc ccctccttcc tggttcaatc 180

ttcgattcag ctctctttta atttttttgg ttttgggaag ctgctatgtt atttgagagg 240

cttancaaga aaccaccttc gcttgttgat ctttgcgtaa ggaaagcgat tgataatgta 300

aagtacattg ggatatgttg gtggggttga ttttcagctc cntgagcaga ttctgcaana 360

ctgt 364

<210> 18556
<211> 383
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-002-Q1-E1-F6

<400> 18556

aagacgacag aagggagaca cgtgaaatcg gatccaatcg atgattccgg cgaggaggtt 60

tctcttatct ccatttgtcg gcgtcacgtt tatcgtcgtt ctcgtctctc tctacttcag 120

atcttccttc aagtctccac aacaccanta tcaaaagagg ttattttctg ctgangaatt 180

ggcattgtan aatggtactg atgaaacatt acctatactc ttagggattc ttggatctgt 240

gttcnatgtg acganangaa aatttcatta cggtagtgga gganggtaca ancattttgc 300

tggaaganac cttcncgtgc atttggttct gggcaacttn acnaganatg gacttacagn 360

ttcgttacag cggttaccga nca 383

<210> 18557
<211> 460
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-001-Q1-E1-C5

<400> 18557

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gcgagaagac gacagaaggg gaaggagaan ctcaatgaga gaattgcaaa gctctctggt 120

ggagttgctg tgattcacgt tggagcacaa nctgagacag aactcaanga gaanaagttg 180

anagttgaan atgctcntaa tgcaacaaag gccgctgtcg aggaaggtat tgttgttggt 240

ggtggttgca ctctgcttcg tcttgcttcc aaggttgatg ccattaaagc cacgcttgat 300

aatgatgaac aaaangttng agcggatata attaanagag cactaagtta ccccctaaaa 360

ctaatcgcca acaatgctgg tgttaatgga agtntagtta ccgagaangt gctttccaac 420

gataacgtta aattcggtta caatgctgca accggcaant 460

<210> 18558
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-001-Q1-E1-C8

<400> 18558

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aggaacggtg ggaggaacaa gcacaacatg aggacncgtc agcccaatca gatgctccaa 120

ctgtggcaag atgttgcccc aaggacaagg ccattaagag gttcattgtg aggaacattg 180

tggagcaggc tgctattana gatgttcagg aagctagcgt ctatgaggga tacacattgc 240

cgnagctata tgcaaagacg caatactgtg tctcctgtgc tatccactct catgtcgtta 300

gagtccgttc ccgcaccaac cgcaaggttc gtantcctcc aactcgtttc gncagacgcn 360

nggngggata ctccccaagc ctggggnaac aaga 394

<210> 18559
<211> 447
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-001-Q1-E1-C9

<400> 18559

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gtgtcgtgga catgatactc tacccctctg gtatctcttt tccttgggtt ttacgatgct 120

gacttctgtc gctttcactg ctctgctcgg tgcttccgcg gtacttgcta ccccattcac 180

ccgtacccag aggacttgtg gcacacatat cagcgacgat caggttgccc aggatgagan 240

gtatttcgan gccaacagcg cttctcttga cgtcgacacg gcggccaagg gaaaggttcc 300

ccgttctcaa tgtttactgg cacgtcgtcc aaggccaaca agactttaga gggaagccat 360

gttccaaaag tcacaagatn aanacccaaa atcgacgtgt ttnnaacacc gcccnacnnt 420

anctanttgg gcctccaatg ggaaggc 447

<210> 18560
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-001-Q1-E1-C1

<400> 18560

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tatgcaggct gctgcagatg ctgctaagag tgccatggtt agtatcatag ggttggactc 120

agaaaaggtt cagcagttgt gtgatgcagc aaatcaagaa gtagatgaag ctgacaaagt 180

tcagatcgca aattacttat gtccgggtaa ttacgcagta tctggaggtc ttaaaggaat 240

cgaagttgtt gaagccaaag ctaagtcatt caaagcacga atgacggtgc gtctagctgt 300

tgcaggtgct ttccacacta gtttcatgga accagcagtc tcgagattag aagctgcatt 360

ggcagccaca agagatnaag aatccgagga ttccantga 399

<210> 18561
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-001-Q1-E1-D1

<400> 18561

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gagaagaggc ttgatttggg atggagagga agagcttgtg tgattgagaa catattgtat 120

tgttatgatt acttggggaa gattagaggg tatgatccaa aagagaggat ttggagagag 180

ctgaaaggtg tggagtcact tccaaagttt ctttgtgggg ctacaatggc taatcgtggt 240

ggaaagctta cggttttgtg ggaaggtaaa gctggtagtg gtggttctag ganaatggag 300

atttggtgtg cggagattga tgttggaagg cgtggagaaa gggagatttg gggaaaaatt 360

gaatggtctg gtaccgtgct tacggttcct aatgaatctg ccattgtgaa ttgcctggca 420

actacaattt gntgat 436

<210> 18562
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-001-Q1-E1-D10

<400> 18562

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gtatcgacaa ctccgagtgg gtgcgaaacg gagattactc tccgtctagg tnacaggcgc 120

aaacggaagc tgttaatctt ctttgcggag ccaaaaccca gtcgaatccg gagaatacgg 180

tggggatttt gacaatggct ggcaaaggag ttagagtatt gactactcct acctctgatc 240

ttggcaaaat tctggcctgt atgcacngcc ttgatgtggg aggagagatc aacttaaccg 300

cagctatcca gatcgcccag ctagctctta agcatccgcc aaaacaagaa tcaacgccaa 360

agatattgtt ttttgctgga aatccantca ggtccaaga 399

<210> 18563
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-001-Q1-E1-D4

<400> 18563

aagacgacag aaggggggag aaaaacagat caaaatagag aaatattgaa attcgtgcgt 60

tgagagaaaa acgttgaacg atgggagccg gtaatggaga aacgccaaaa cctacacaga 120

tttcaatttc taaagatcaa ttcctcgctt ggaaacgcca aaaggatgct gagttattan 180

ccaaacaagc tgaagcagca aggaaacgac aagaggacat agcttcaggt cgtgttccaa 240

tgaatggtcg tgagcttttc ntgcatgagc cttgggtttt cgacgatact catcattgat 300

tctgggncta ntcactactt cctcataggt aacagagatn attcnnctct cattagtact 360

gctacttgca tcccgagttt tatgaaattg ggacantg 398

<210> 18564
<211> 389
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-001-Q1-E1-D5

<400> 18564

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cagactgaga atcgcccaag atgcagctcg cggattaacg tacctgcatg aagaaatgga 120

gtttcagata atattccgcg atttcaagtc ctcgaacatt cttttggatg aggactggaa 180

agcaaagctc tcagatttcg gtttggctcg tttaggtcca tctgaaggat taacccatgt 240

ttctactgat gttgtaggta caatgggtta tgcagcacct gaatacattc aaaccggccg 300

tctcacatcg aaaagcgatg tgtggggtta tggagtcttc ctctatgagc ttatcactgg 360

gaggcgaccg gtggacagaa acagacccn 389

<210> 18565
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-001-Q1-E1-D6

<400> 18565

gaaggggggag aacaattact tccaacggag aatggcctca attgtcggaa ttcgaacaag 60

attcctgagt ttcgggaagc tttcacaaat ctcttcttca ctgttgagaa tacacaatcc 120

tcgtaatcat cagaatcctc ttattctccc tcttccttgt ttctctgccg ctcctagtcg 180

tcatcgtcct ctgatttggc ttcgctcatc tccgcctgtg tcctcgatga ccactcaggc 240

tgagtctggg tcttcccagc aatccgattc ttccaaaacg gtgagagtgg tgataaaggg 300

aagagtacag ggagtgtgct acagaaactg gactgttgag aacgctgagc agctggggat 360

aaagggatgg gttaagaacg caaggatggt tcantgga 398

<210> 18566
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-001-Q1-E1-D9

<400> 18566

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cattgtgttt ttgcttcttt gtacgtttct ttctcgtacc gaatctgctc ttccttatca 120

ccatgaactg ttcttgggga ggaagcggat gaattattat aagcccaaca gtgccatagg 180

aacaccatca tcaactagtg gccacgctcc angcagtaat gggaggaagt tgatgagtat 240

atatagaccc aatggagaca tatttacagg accatcaggc antgggcatg ggtgggggtc 300

gcactccagc cccctangta tagatatata ttaatgngta atcaaaggac tcacaancga 360

aagcttttaa ntcncgatna cgtntaacgt aagccttggg ggta 404

<210> 18567
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-001-Q1-E1-E10

<400> 18567

cgtgggcggc tcgagaagac gacagaaggg tacggctgcg angaagacga cagaagggga 60

aacaagtcac acaacagata ttcacttttg ctctgaaatt agctggagaa ggaaatcctg 120

ttttagccaa ggaagctaca gcaattgcta tctggtctgt gacccaaaac tttgattgct 180

gcaagcactg ggacaatctc tacaaggaga atctggaagc tantgttgct gttcttaaaa 240

agcttgttna anaatggana gagcattcng tcaaactatc atcatcaccg aatgatgctc 300

tcactctcaa ncgaaactat gaannagcnt cacgctaaaa gaangnggag tcatcccctn 360

agggaagann caatgcctct ctttacaaaa gna 393

<210> 18568
<211> 410
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-001-Q1-E1-E11

<400> 18568

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tgtagtttcc ggttacttcg aataaccttc aatggagctt ccgttactct cgtatgctag 120

ctccgcgtcg ttttcacgga caggcttatg ctcttcttct tcttcctcct caactagtat 180

ctatgagttt ccggagagaa gacggagttt aaaattgaga ttcaatggtg gagaaaggtc 240

acgaagcgtt atagcttccg ctgaacggag cagtgaaggg attgagaaga caacagacac 300

cgtcggtggc ggaagaagan gangagcaag canatttgct ggtactgcca tgggaagtta 360

ctacacttga tcgtgggttt gctaactcca ccaccgttgg atttccgatt 410

<210> 18569
<211> 394
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-001-Q1-E1-E5

<400> 18569

gcgtccgtac ggctgcgaga agacacagaa gagtacggct gcgaaaagac gacagaagag 60

tacggctgcg agaagacgac agaagagtac ggctgcgaga agacgacaga agggtacggc 120

tgcgagaana cgacagaagg gtacgactgc gagaagacna cagaagggta cngctgcgat 180

aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg ctagaagacg 240

acaganggggt acngctgcga naanactaca gaagggtacg gctgcgagaa nacgacagaa 300

gggtacggct gctagaagac tacagaaggg tacggctgcg anaagacnac agaatggtac 360

ggctgctaga anacgacaga atggtacggc ttcn 394

<210> 18570
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-001-Q1-E1-E9

<400> 18570

gcgtccggga agacgacaga agggtacggc tgcgagaaga cgacagaagg gtacggctgc 60

gaagaagacg acagaagggt acggctgcga gaagacgaca gaagggacaa aanaaaaaaa 120

aaaggctcta atgatgacat ttaatcggaa ttaaattgtt tcaggcatga gattgtgggc 180

gtggtgactg aagttggagc caaagtgaaa aaattcaacg ctggagacaa agtcggagtt 240

ggctatatgg ccggctcgtg caagtcatgt gacagctgca atgatggcna cgaagaacta 300

ctgtccaaag atgatcttaa cgtccggagc caaaaacttt gacgatacca tgacccatgg 360

gtggatactc ccgaccacat ggtgtntngc tgaaggattc atcatccgnt atcctgacaa 420

tctcccattn aa 432

<210> 18571
<211> 220
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-001-Q1-E1-F10

<400> 18571

ggctgcgaga agacgacaga agggtacggc tgcgagaagc gacagaaggg tacggctgcg 60

agaagacgac agaagggcag gagaaccgtg catctatctt tgtttgttat gtttctgttt 120

tcttgtcatg aaaattatgc tcatgtatct tatctnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngcggcc 220

<210> 18572
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-001-Q1-E1-F11

<400> 18572

aaaaggggga aaccgttcca aaagaatcat tcattgaagc tccagtttcc atgcttgctt 60

ctggggaaga cgaaccagtg actccacaag aaggcgatta tgcagctaac acacaagagg 120

aacgacatgt ttctgcagaa acagaagaga aggtaggaga aacaaaacca aaagaatcac 180

aaaccaacag aaaagggaaa taaccaatga agttccaagc ctggagaatt caaagattga 240

agaagaacta cagaaaaaag atgaagaatc tgggaacacc aaagatttgt tttcagtagt 300

aaaagaaact gaaccaacat tgaaagaacc tgcaaggaaa tcactatctg accacatcca 360

aaaaagagcc taaaaacaga ngaagatgag aatnatgatt aaagatnatg aacataaa 418

<210> 18573
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-001-Q1-E1-F2

<400> 18573

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tgtcgttggt atggttggna gcgatgttgc ctctcggaat catcggtggg atgctctgta 120

tcatgggcaa ttctcagtac tacatcnaca aagcttatca tgggcgtcct aaagcacatc 180

ggtcacgatg aatggggatg ttgctatgga aagacgcgac acganagtct tcgagaaanc 240

tgcanctcct tcctcatgat tcgctttatc tcttttgtgt tcctcanggg cttantgtga 300

ccacttgtgg tgacaantaa agtgcattcn aaagtaanaa nancntgggg gatntagtac 360

tttcattccc atttgatttt ccttgggcat attaaanctt tc 402

<210> 18574
<211> 124
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-017-Q1-E1-H9

<400> 18574

cgggctncna aaanacacaa gaaggttacg gttccaaaaa gacnacaaaa ggttacggtt 60

ccaaaaaaac acanaaggtt acggttccaa aaaancacna naaggttacg gttccaaaaa 120

anca 124

<210> 18575
<211> 420
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-027-Q1-E1-B7

<400> 18575

atctctcaat tctcttttgt cgatttcgca gtagaagagt cctttcgccg tctccgagaa 60

actcgttgca gcgtcacgac cagttggaga aaatgtcttc tagaggaaaa aggaaagacg 120

aagatgtcag agcatcagat gacgaatctg aaacccacgc gccggctaag aaagtccgca 180

aagccagcag acgattccga ccagtctgac gatatcgtcg tctgcaacat atctaagaat 240

aggagagtct ctgtaaggaa ttggaacggg aagatttgga ttgacattcg tgagttctat 300

gtcaaggacg gaaagacttt gcctggcaag aaaggtatct ctctaagcgt ggatcagtgg 360

aacactcttc gggaaccacg cagangatat cgagaaggcc tctctgacct ttcntaggtt 420

<210> 18576
<211> 374
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-016-Q1-E1-D2

<400> 18576

gaaagaaaaa caaaatggct tcgatgggtg gattacacgg tgcatctccg gcggttcttg 60

aaggaagctt aaagatcaat ggctccagcc gtctgaatgg ctctggaaga gtggcggtgg 120

ctcaaaggtc tagacttgtc gtcagagctc agcagagtga ggagacttct cgccggtccg 180

tgattgggct tgttgctgct ggtttagctg gtggctcgtt tgttcaggct gtcctcgccg 240

atgctatttc gatnaaagtt ggccctcctc caactccttc cggtggcctt cctgggacag 300

ataactcaga ccaagcaaag anactttgca ttggcattga aagacangtt ttacttacag 360

ccaattgcca ccaa 374

<210> 18577
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-035-Q1-E1-C1

<400> 18577

ggtccaaaat tnacgggtcc acccacgcgt ccgcncacgc gtccgtacgg ctgcgagaag 60

acgaacagaa gggtacggct gcgagaagac gacagaaggg tacggctgcg agaagacgac 120

agaagggtac ggctgcgaga agacgacaga agggtacggc tgcgagaaga cgacagaagg 180

gtacggctgc gagaagacga cagaagggta cggctgcgag aagacgacag aagggtacgg 240

ctgcnagaag acgacagaag ggtacggctg cgagaagacg acagaagggt acggctgcga 300

gaagacgaca gaagggtacg gttgcgagaa gacgacagaa gggtacggct gcnagaagac 360

gacagaangg tacngctgcn agaagacnac agaaaggtac cgctgcnaga agacnacaca 420

aaggtaccgc tgccaaaaaa ccaccagaaa gggtnccgct gcc 463

<210> 18578
<211> 485
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-039-Q1-E1-D8

<400> 18578

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naaacacact nctgccnacg cgtccgccca cgcgtccgta cggctgcgag aagacgacag 120

aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg acagaagggt 180

acggctgcga gaagacgaca gaagggtacg gctgcgagaa gacgacagaa gggtacggct 240

gcgagaagac gacagaaggg tacggctgcg agaagacgac agaagggtac ggctgcgaga 300

agacnacana agggtacggc tgcgagaaga cgacagaagg gtacggctgc gagaagacga 360

cagaanggta cggctgcgan aagacgacan aanggggaag aacacaacaa tggngtttcg 420

tgganattcc aaccagaagg attcctagga tttcaactca tctcactcct cagattggag 480

gccca 485

<210> 18579
<211> 364
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB35-006-Q1-E1-A11

<400> 18579

gacacagaag ggtacggctg cgagaagacg acagaagggt acggctgcga gaagacgaca 60

gaagggtacg gctgcgagaa aacgacagaa gggtacggct gcgagaagac gacagaaggg 120

tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga agggtacggc 180

tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaaggata cggctgcgag 240

aagacgacag aagggtacgg ctgcgagaag acgacagaag ggtacggctg cgagaagacg 300

acagaaggat acggctgcga gaagacgaca gaaggatacg gctgcgagaa gacgacagaa 360

ggat 364

<210> 18580
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-012-Q1-E1-B12

<400> 18580

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ggtacggctg cgagaagacg acagaagggt acggctgcga gaagacgaca gaagggtacg 120

gctgcganaa gacgacagaa gggtacggct gcgagaagac gacagaaggg tacggctgcg 180

agaagacgac agaagggtac ggctgcnaga agacgacaga agggtacggc tgcganaaga 240

cgacagaagg gtacggctgc nagaagacga cagaagggta cggctgcgag aagacgacag 300

gagggtacgg ctgcgagaag acgacanaag ggtacggctg cgagaanacg acagaagggg 360

ttgcttctca aaaaaaaaan cntncnntnc ctnnnnaaaa aana 404

<210> 18581
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-015-Q1-E1-F7

<400> 18581

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cgagacgaca acagaagggt acggctgcga gaagacgaca gaagggtacg gctgcgagaa 120

gacgacagag gatacggctg cgagaagacg acagaagggt acggctgcga gaagacgaca 180

gaagggtacg gctgcgagaa gacgacagaa gggtacggct gcgagaagac gacagaaggg 240

tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga agggtacggc 300

tgcgagaaga cgacagaagg gtacggctgc nagaagacga cagaanggta cggctgcnag 360

aagacgacag aanggtacng ctgcgagaag acgacagaan ggtacggctg ccagaagacg 420

acagaagggt acggcttcca gaagacnaca gaagggta 458

<210> 18582
<211> 334
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-016-Q1-E1-A4

<400> 18582

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cgagaagacg acagaagggt acggctgcga gaagacgaca gaagggtacg gctgcgagaa 120

gacgacagaa gggtacggct gcgagaagac gacagaaggg tacggctgcg agaagacgac 180

agaagggtac ggctgcgaga agacgacaga agggtacggc tgcgagaaga cgacagaagg 240

gtacggctgc gagaagacga cagaagggta cggctgcgag aagacgacag aagggtnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnngc ggcc 334

<210> 18583
<211> 380

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-028-Q1-E1-F2

<400> 18583

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ctgcgagaag acgacagaag ggtacggctg cgagaagacg acagaagggt acggctgcga 120

gaagacgaca gaagggtacg gctgcgagaa gacgacagaa gggtacggct gcgagaagac 180

gacagaaggg tacggctgcg agaggacgac agaagggtac ggctgcgaga agacgacaga 240

agggtacggc tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggta 300

cggctgcgag aagacgacag aagggtacgg ctgccaagaa gacgacagaa gggtacggct 360

gcnanaagac gacagaaggg 380

<210> 18584
<211> 425
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-042-Q1-E1-E11

<400> 18584

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gacagaaggg tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga 120

agggtacggc tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggta 180

cggctgcgag aagacgacag aagggtacgg ctgcgagaag acgacagaag gatacggctg 240

cgagaagacg acagaagggt acggctgcga gaagacgaca gaagggtacg gctgcgagaa 300

gacgacagaa gggtacggct gcgagaagac gacagaaggg tacggctgcn agaagacgac 360

agaagggtac ngctgcnaaa agacgacaga angggacact tgacacaatt ctatccaaaa 420

tcaac 425

<210> 18585
<211> 366
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-042-Q1-E1-H11

<400> 18585

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acagaagggt acggctgcga gaagacgaca gaagggtacg gctgcgagaa gacgacagaa 120

gggtacggct gcgagaagac gacagaaggg tacggctgcg agaagacgac agaagggtac 180

ggctgcgaga agacgacaga agggtacggc tgcgagaaga cgacagaagg gtacggctgc 240

gagaagacga cagaagggta cggctgcgaa gaagacgaca gaagggtacg gctgcgagaa 300

gacgacagaa gggtacggct gcganaagac gacagaaggg tacggctgca gaagacgaca 360

gaangg 366

<210> 18586
<211> 352
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-001-Q1-E1-A1

<400> 18586

gacaaaaggg tacggctgcg agaagacgac agaagtctac ggctggaaga cgacagaagg 60

gtacggctgc gagaagacga cagaaggata cggctgcgag aagacgacag aaggggaggg 120

gaaaggttcc atgtgaacgg cacttgcaca tgggttagtc gatcctaaag agtcgggggga 180

agcccgtctg atagcgctta agcgcgaact tcgaaagggg atccggttaa aattccggaa 240

ccgggacgtg acggttgacg gcaacgttag ggagtccgga gacgtcngcn gnggcctcgg 300

gaagagttat cttttctgtt taacaacctg cccaccctgg naacgggtca ac 352

<210> 18587
<211> 437
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-001-Q1-E1-A12

<400> 18587

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cttcataaaa tagctttaaa ccaatcaagt agagtttctt ctcaagtctt tttantttat 120

ttttatcaat ggcttcttca gcagtgtctc tccaatccat ctctatgaca actctcaaca 180

atctttcatg taatcaacaa tttcatcgaa gctctcttct tggtccctct aaatccttcn 240

aaaatcttgg tatctcatct aacgggttca gatttcgcct atcnatcaag tttcactgnc 300

naagaagaac ctcactgctt ctcgagctct ctcccaaaac gggaatatcg anaaccctag 360

aacgangnca aagttcaaga actgagtgtg ntncgaaatc nanngaagta gattgagaca 420

gcccaaggat tcntaag 437

<210> 18588
<211> 436
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-001-Q1-E1-A6

<400> 18588

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cttcataaaa tagctttaaa ccaatcaagt agagtttctt ctcaagtctt tttattttat 120

ttttatcaat ggcttcttca gcagtgtctc tccaatccat ctctatgaca actctcaaca 180

atctttcatg taatcaacaa tttcatcgaa gctctcttct tggtccctct aaatccttcc 240

aaaatcttgg tatctcatct aacggttcag atttctccta tccatcaagt ttcactgcca 300

agaagaacct cactgcttct cgagctctct cccaaaacgg gaatatcgaa aaccctagac 360

caagcaaagt tcaagaactg agtgtgtacg aaatcaacga attagatnga cacaagccca 420

agnttcttaa aaacgc 436

<210> 18589
<211> 393
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB35-001-Q1-E1-B6

<400> 18589

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tcatgggttt aaacctaaga atttcagtaa gcctgaaccc aatttctctc aggatctgga 120

ttatgatgat gagtttgatg atgatagagc agagagggaa ggattcaacc cgaggattca 180

aagttctagg agctcttcgc gggtgaatgg ctacagcang aaggatggga gctatcctcg 240

aaacactggt gcttccaatg gctatggatc gtcttctagg ttcaagcatg agcaaatgaa 300

tgcagcaagc agaagttgag tctgacccga tcgatgaagt tgtttcttct gttaagatgt 360

tgacagaaat gtttgtgang gtggagaatt cga 393

<210> 18590
<211> 349
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB146-011-Q1-E1-B7

<400> 18590

ccactaagct cctcctctct atcccaccac ttctaaagct ggctggtgag ctctctctga 60

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ctcaccgcag cttctctgaa gaagtctctg ttcttgatgg gcactttact cagctgggct 180

tgaacagcgt agcctacttg atgggcaatg atgatgagac taagaaatgg catgtctatg 240

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tgactggtct ggacagagag aaagctgctg tcttctacaa ggatgaacc 349

<210> 18591
<211> 381
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB146-025-Q1-E1-C5

<400> 18591

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tcataattcg cgatcttgat ctatcgatct tcatttatat ataaaagcgt gaatgagatt 180

atgatggagt cgaaaggtgg taaaaagaag tccagcagta gtagttcctt attttacgaa 240

gctcccctcg gttacagcat tgaagacgtt cgtccaaacg gtggaatcaa gaaattcaaa 300

tcttctgtct actcaaactg ctccaagagg ccatcctgag taccagcgtg caccgatctt 360

cataatatag ttatagcttt c 381

<210> 18592
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<223> Clone ID: LIB146-002-Q1-E1-C1

<400> 18592

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atgaaggaca cccagacaag ctttgtgacc agatttctga tgcgatcctt gatgcttgct 180

tagagcagga tcctgaaagc aaagtggcgt 210

<210> 18593
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<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB146-015-Q1-E1-H7

<400> 18593

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ggagaagttt gtggaaaagc caaaactgta tgtaggtaac aagatcaacg ctgggattta 180

tcttctgaac ccatctgttc ttgataagat tgagctaaga ccgacttcaa tcgaaaaaga 240

gactttccct aacattgcag cagcgcaagg gctctatgct atggtgctac agggttttg 300

gatggacatt gggcaacccc gtgactacat aacgggtttg agactctact tagac 355

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<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB146-010-Q1-E1-F7

<400> 18594

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tttcgaaatt aaagaaaacc ctaaacgccg ttgtctgata ttgagagaga gagagagaga 120

ttaaaaactt cttctggttc cttttatcaa catttttct ctctcttaaa acttcgaagc 180

gatttttgat ttacagacta tggaaatgga atcattcatg gacgaccttt tgaacttctc 240

tgtaccggaa gaggaagaag acgacgacga acatacgcaa ccaccgagga atattactcg 300

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agtggttgaa gaagaggatt tggaatggat ttcaaacaaa aatgc 405

<210> 18595
<211> 418
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB146-026-Q1-K1-B5

<400> 18595

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acagctgatt tagatctatt tcgtaagtgg gtctttcaaa gtcgtctcct ttgatctact 180

ttgattcaag ggtcgttgat ttggtgataa gtcagtagaa atggataagg agaaatctcc 240

agcacctcct tgtggaggtc ttcctcctcc atctccatca ggtcgatgct ctgcattctc 300

agaagctggt cccattggtc atggttcaga tgctaatcga atgagtcatg atattagccg 360

tatgcttgat aacccaccta agaagattgg acatcggcga gctcattctg aaatactt 418

<210> 18596
<211> 358
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB146-012-Q1-E1-C11

<400> 18596

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gcctttcttg gtgaaaacct acgagatggt cgacgattca tcaacggacc agatcgtatc 180

gtggagcgct aacaacaaca gcttcatcgt ttggaatcat gccgaatttt cacgcctcct 240

tcttccaacc tacttcaaac acaataactt ctcttccttc attcgtcagc tcaataccta 300

tgggtttagg aagattgatc cagagaggtg ggagtttttg aatgatgatt ttattaag 358

<210> 18597
<211> 371
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB146-026-Q1-K1-G11

<400> 18597

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agccaagatg agagaagaga cttatgccgc ataagagaat atctacccag ttcttagaga 120

attcatgaag gtccagtaat aatagtatat acgaccatag tgaaggcaaa aaccatgttc 180

acgtgtgaat tggcatgaac tagagatctc gggtgttggc aggcgcttgg tggggtgagt 240

attccttgga caagaacttg aaattattca gattcaaaac cagaaattgt aaatagataa 300

tggagatgcc aataaatctc ttttcttttt tggtctaaaa atgtcttcca agtaatcttg 360

gttcatggtc t 371

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<211> 380
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB146-012-Q1-E1-G4

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attgagccgt ggcttaaacg caaacgctcc aaacgtcagc gttctcacag cccttcttcg 120

tcttcttcct caccgcctcg atctcgaccc aaatcccaga atcaagatct tacggaagaa 180

gagtatctcg ctctttgtct cctcatgctc gctaaagatc aaccgtcgca aacgcgattt 240

catcaacagt cgcaatcgtt aacgccgccg ccagaatcaa agaaccttcc gtacaagtgt 300

aacgtctgtg aaaaagcgtt tccctcccaa caaggcttta agcggtcaca aagcaagtca 360

ccgaatcaaa ccaccaaccg 380

<210> 18599
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB146-009-Q1-E1-A1

<400> 18599

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tctctggagt tttcgcagtc acgaatcttg ttttgaagaa attaatttga acaagggttt 120

tagggcttgg atgctttgtt ttcattgaag aagaagtaga aggagtgtat acaaggatta 180

tgggaactca catcaatttc aacaacttag gaggtggtgg tcatcctgga ggggaaggga 240

gtagtaacca gatgaagcca acgggtagtg tcatgccctt ggctaggcag tcctcggtct 300

actcccttac ctttgatgag ttacagaaca cactaggtgg accgggaaaa gattttgggt 360

ccatgaacat ggatgaactc ctgaagagca atatgactgc tgaagaaa 408

<210> 18600
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB146-013-Q1-E1-D8

<400> 18600

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actctttaga tcattgcaag gaaaaatgtt gaaaagtgca agtccaatgg cattctacga 120

tatcggagag cagcaatact ctactttcgg gtacatttta agcaaacctg ggaacgcagg 180

agcttacgag attgaccctt cgatcccaaa catcgacgat gcgatctacg gctcagatga 240

gttccgtatg tacgcttaca aaatcaaacg gtgtcctcgt actcgtagcc acgactggac 300

ggagtgtccc tacgctcacc gtggcgagaa agccacacgc cgtgatcctc gccgttacac 360

ttactgtgca gtcgcatgcc cggctttccg aaatggcgc 399

<210> 18601
<211> 308
<212> DNA

<213> Arabidopsis thaliana

<223> Clone ID: LIB146-008-Q1-E1-B9

<400> 18601

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aaatgttgaa gaatggaatt cgaagggcat tctacgatat cggaaagcag caatactcta 120

ctttcgggta caatttaagc aaacctggga atgcaggagc ttacgacatt gacccttcga 180

tctgaaacat cgacgatgcg atatacggct catatgactt ccgtatgtac gcttacaaaa 240

tcaaacggtg tcctcgtact cgtacttacg actggacgag atgtcactac catcatcgtg 300

acgagaaa 308

<210> 18602
<211> 381
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB146-018-Q1-E1-B9

<400> 18602

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tctggtttga gggtttcgtt tgatatctgg agaaaggggt ttctggaaac aatgagttca 120

gaattcgcga tcttgatcta tcgatcttca tttatataat aaaacgtgaa tgagattatg 180

atggagtcga aaggtggtaa aaagaagtcc agcagtagta gttccttaat ttacgaagct 240

cccctcggtt acagcattga agacgttcgt ccaaacggtg gaatcaagaa attcaaatct 300

tctgtctact caaactgctc caagaggcca tcctgagtac cagcgtgcac cgatcttcat 360

aatatagtta tagctttctt t 381

<210> 18603
<211> 391
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB146-010-Q1-E1-F5

<400> 18603

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aatccaccag ctgtacaggc cgttgctacg gtcaggcctt ggttttggct ctcaaagatg 180

gctcgctaca cttcagagac agtgcgagtg tctcgccatc ctcatgtctt cctccgttac 240

atctcacgac aacacatcaa taacgcctgg tggtcgaaaa agcatgctga agttagctca 300

acgcatgacg ttcaacttct gttcgggaat ctcggcgccg tcggtccaca attggagcaa 360

gctcactgtt ggaaatgttg acccggacgt t 391

<210> 18604
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-G7

<400> 18604

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tttgatcctt ttccatggct acgcggctca acagggtcag cagggtcagc agtttccgaa 120

cgagtgccag ctcgaccagc tcaatgcgct cgagccgtca cacgtactga agagcgaggc 180

tggtcgcatc gaggtgtggg accaccacgc tcctcagctc cgttgctcag gtgtctcctt 240

tgcacgttac atcatcgagt ctaagggtct ctacttgccc tcnttcttta acaccgcgaa 300

gctctctttc gtggctaang gacgaggtct tatgggaaaa gtgatccctg gatgcgccgn 360

aacattccan ngactcatca gagtttcaag catngcttcg agag 404

<210> 18605
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-H1

<400> 18605

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gatcctcttc aatggctaca ctgcccaaca gtggcccaac gagtgccagc tcgatcaact 120

caatgcgctc gaaccatccc aaatcatcaa gagcgagggt ggtcgcatcg aggtctggga 180

ccaccatgca ccccagctcc gttgctccgg ctttgccttt gaagcgtttc gtcattgagc 240

ctcagggtct tttcttgccc actttcttga acgccggcaa actcacgttt gttgttcacg 300

gaangggtct aatgggaaga agttattccg gggatgcgcc gagacgttca tggagtcacc 360

ggtatttgga naangtcaag gtcagggtca nagtcaangg ttccgtgag 409

<210> 18606
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-H3

<400> 18606

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ctctaatgcg acgaacacag ccacgggaac tggccgtcac tggtttatcg gagaatctcc 120

aaggatgtgt tttccgcacg gtgaaacgag cagttctgat cggaaacggc tgcgccggcg 180

cggagaatca atgcatcggt ctccttcgat ccttaggcct cttcgatcgc cacctctatt 240

atagagtagc taaaccaaga ggtggaatcc ttcaatggct tcctatctct ctctacaaac 300

gaattcatcg ttttatcang cactatctgt gccgggatta tccattaacg ctactggaat 360

cacgaatgtg tttgaagtag atgatgcgaa gcanattgct gctatggctc gtaaaacgtt 420

tgaaanagaa tggcccgttg ttaagtcgtg gcg 453

<210> 18607
<211> 65
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-H5

<400> 18607

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tcgac 65

<210> 18608
<211> 95
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-H6

<400> 18608

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gaatcagcct tctgcngatg cttccgacnc cgccc 95

<210> 18609
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-H7

<400> 18609

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accttggcat ttatcttcag gagaacattg gtgagatact gatcgttcag tctggtggga 120

gcaatgcact gagtcacaat tccaanatca acaagattct ttttttttcca agggcctaaa 180

aaatttcaga cacatganaa gttaaacatt tacattcaag ggggaaaaca ggccatattc 240

ancaatgtna aggtgtgant gtgatgtacc atanacatca gagtttttcc tttcagcgag 300

gtatgcaang aaggaacaga ngcggctttg gggagtttgg anttanctgc tcaanacata 360

ttctcnactn ctcacagtna actgggngca ttccctaanc tga 403

<210> 18610
<211> 475
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-H8

<400> 18610

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gcaaaaatgg agttgataaa cgactttctc aacctaactg ctccttttctt caccttcttt 120

ggtctctgct tcttcttgcc tccttttttac ttcttcaagt tcttgcagtc tattttctcg 180

acaatttttct ctgaaaatct ttacggggaa agttgttctc atcactggtg cttcctccgg 240

tatangcgag canttggcat atgagtacgc atgtagangt gcatgtttaa gccctgaccg 300

cccgaaggaa gaaccgtcta gaggaagtgg caagaggatt gcccgtgaac tcgggattct 360

cccaatgttg gtcaaccgtt catgccgaat gtctccaaaa cctgatgact ggtggacgaa 420

tccgttgatg acancaatca cccaattttg ggcaagaatt gggattcatc ctngt 475

<210> 18611
<211> 52
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-H9

<400> 18611

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<210> 18612
<211> 348
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-026-Q1-K1-G12

<400> 18612

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cgaactggag ctagcggatg ttgagatgga tagactcatg agtgggcgta ccgaattggg 180

gcgctgagca gggcatgcaa aggcgctaga atcaccggat ctcttcacat gacgaaccag 240

accgncgtac tcatcgaagc cctaactgct ctcggggcag aggtcagatg gtggtcctgg 300

aacatgtggt ccactcaaga ccacgccggc ggaaccatcg ctcgggac 348

<210> 18613
<211> 340
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB146-014-Q1-E1-E3

<400> 18613

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tcgagctcga gctcgccgaa gttgagatgc ctggactcat ggcttgtcgt accgaattcg 120

gaccttctca gccattcaaa ggcgctagaa tcaccggatc tcttcacatg acgatccaaa 180

ccgccgtact catcgaaacc ctaactgctc tcggtgctga agtcagatgg tgttcctgca 240

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tcgcctggaa aggtgagact cttcaggagt actggtggtg 340

<210> 18614
<211> 399
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-028-Q1-K1-D1

<400> 18614

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gaactaccat tacatcgtcc ctgagtaggg ccctgaggtc aacttctctt acgcatccca 120

caaggccgag aatgagtaca aggaggccaa ggctcttgga gttgacaccg tccctgtact 180

tgttggtcca gtctcttact tgctgctttc caaggctgcc aagggagttg acaagtcatt 240

cgaacttctt tctcttctcc ctaaaattct cccgatctac aaggaagtga ttacggagct 300

taaggcagct ggagccacct ggattcagct tgacgagcct agccttgnta tggatcttga 360

gaggcagaaa ctccaggcct ttactggagc ctatgctga 399

<210> 18615
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB146-019-Q1-E1-D1

<400> 18615

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aatggcttca cacattgttg gatacccacg tatgggccct aagagagagc tcaagtttgc 120

attggaatct ttctgggatg gtaagagcac tgctgaggat cttcagaagg tgtctgctga 180

tctcaggtca tccatctgga aacagatgtc tgccgctggg actaagttca tccctagcaa 240

caccttttgct cactacgacc aggttcttga caccaccgcc atgctcggtg ctgttccacc 300

taggtatgga tacactggtg gtgagatcgg ccttgatgtt tacttctcca tggctagagg 360

aaatgcctct gtgcctgcca tggaaatgac caagtggttc gacac 405

<210> 18616
<211> 388
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB146-010-Q1-E1-H9

<400> 18616

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ccaacgaggg tgtccagaag gctgctgctg ctttgaaggg atctgaccac cgtcgtgcaa 180

ccaatgttag tgctaggcta gatgctcagc agaagaagct caatctccca atcctaccaa 240

ccacaaccat cggatccttc ccacagactg tagagctcag gagagttcgt cgtgagtaca 300

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ttgttgacct ccaagaggaa cttgacat 388

<210> 18617
<211> 340
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB146-029-Q1-K1-H6

<400> 18617

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atcattccag tgccctacca tcttctcctg ctgctcaatc tccggctttc aatgccgttc 120

tgatccagat ctcgtcggtt ctcccgtcgg tggatcatct cgccgtcgtg tccatgcctt 180

cgccgggatt tcttcctcat tcaccgggga cgctggatta tcctccagga tcttaagatt 240

tcctcctaat ttcgtccgtc agctgagcat taaagcccgt agaaactgta gcaacatcgg 300

tgttgcacag atcgtggcgg ctaagtggtc ctacaaccca 340

<210> 18618
<211> 304
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-G5

<400> 18618

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gaggcggcca acaaccacat gaaatagcta atggtttaga ggagactttg tgcaccatgc 120

gatgcactga aaacctcgat gacccgtcgg atgctgacgt gtacaagcca tcactcggat 180

acattancac acttaacagc tacaatcttc ctatcctcaa gacttctcgg ccttagcgct 240

cttcgttggn tccatccgta aaangccttt gnggttacgc gcatngggan ctnaaacnca 300

nnac 304

<210> 18619
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB146-026-Q1-K1-D6

<400> 18619

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aggtcaaata ttattttatt gttaaaattt aattatataa ctaatattta ttaaaatact 180

aatatttttt ttttttgaga aaccaagaag gtatctcagt gacggagatg tccttatatc 240

ataccaaact tcaacaaaaa caagtattgg agtcgactgt gtgataggtt cgtcctcatc 300

caaagacata gcttgaagga ctttttgata taattatgtg tttggtgtgt ataggtgtgg 360

tgatgagtgc aaggatgcaa gaaagcaaaa agggtatatt attgaagcca aagacatgca 420

ata 423

<210> 18620
<211> 367
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB146-008-Q1-E1-D3

<400> 18620

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tttgagatag ataaccaaac attagcatta gcattaattt tctctggacc atgaataagg 120

ttgagaggtc aaactattac ttggactaaa tcaatatgat ggcatctcca tcagtgagat 180

actttcttgg cttatcaaaa taaatagata tgtgtatttt aataaatatg agttataaaa 240

ttaagatttt aatagtaaca taagatttga ccaatatatg agatgcaagt attttcatgg 300

gtttctcaaa gtttcccact tggaagacta attctactct ctttcagact ttttgattaa 360

attttat 367

<210> 18621
<211> 291
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB146-014-Q1-E1-C2

<400> 18621

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ctggtttgag ggtttcgttt gatatctgga gaaaggggtt tctggaaaca aggagttcat 120

aattcgcgat cttgatctat cgatcttcat ttatatataa aagcgtgaat gagattatga 180

tggagtctaa aggtggtaaa aagaagtcca gcagtagtag ttccttattt tacgaagctc 240

ccctcggtta aaacatttaa aaagttcgtt caaaacggtg aaatcaagaa a 291

<210> 18622
<211> 314
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB146-029-Q1-K1-H10

<400> 18622

caaactcgtt tgctcttttc atcattacta aatcataagc gtctctcaag ttctttaggg 60

tttcgagttt tatcaatctc ctacctgatt aaggttaatt tcttatcttg gatcaataac 120

aagagaattc taactccgga ttgtaatcaa tattcctcta cataaaaagc gtgaatgaga 180

ttatgatgga atcgaaagct ggtaataaga agtcaagcag caatagttcc ttatgttacg 240

aagcacccct tggttacagc attgaagacg ttcgtccttt cggtggaatc aagaaattca 300

aatcttctgt ctac 314

<210> 18623
<211> 338
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB146-025-Q1-E1-C6

<400> 18623

cgtttctctc acatttaggg ttttctcttt tctcgaaagt cttgcggttt tctgaatcat 60

ctctatctgg tttgagggtt gcgtttgata tctggagaaa ggggtttctg gaaacaagga 120

gttcataatt cgcgatcttg atctatcgat ggtcatttat atataaaagc cgtaatgaca 180

ttatgatgga gtcgaaaggt ggtaaaacga actccagcag tactagttcc ttattttacg 240

aagctcccct cggttacacc attgaagacg ttcgtccaaa cggtggaatc accacattca 300

aatcttctgt ctactcaaac tgctccacga ggccatcc 338

<210> 18624
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-D7

<400> 18624

gnntntttgg tgnccctgca ggtaanagtc cggaantccc gggtcgaccc aancgtccga 60

cacacatagc aaaaaatggc aaacaagttg ttcctcgtct gcgcagctct cgctctctgc 120

ttcctcctca ccaacgcttc catctaccgc accgtcgttg agttcgaaga agatgacgcc 180

actaacccca taggcccaaa aatgaggaaa tgccgcaagg agtttcagaa agaacaacac 240

ctaagagctt gccagcaatt gatgctccag caagcaaggc aaggccgtag cgatgagttt 300

gatttcgaag acgacatgga gaacccacag ggacaacagc aggaacaaca gctattccag 360

cagtgctgca acgagcttcg ccaggaagag ccagattgtg tttgccccac cttgaaacaa 420

gctgccaagg ccgttagact ccagggacag caanc 455

<210> 18625
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB146-002-Q1-E1-D8

<400> 18625

aagcgtccgg aagaaaaatg ggtcgagtct catctattat ctctttctct ttgacactct 60

tgatcctctt caatggctac actgcccaac agtggcccaa cgagtgccag ctcgatcaac 120

tcaatgcgct cgaaccatcc caaatcatca agagcgaggg tggtcgcatc gaggtctggg 180

accaccatgc accccagctc cgttgctccg gctttgcctt tgagcgtttc gtcattgagc 240

ctcagggtct tttcttgccc actttcttga acgccggcaa actcacgttt gttgttcacg 300

gaaggggtct aatgggaaga gttattccgg gatgcgccga gacgttcatg gagtcaccgg 360

tatttggaga aggtcaaggt cagggtcaga gtcaagggtt c 401

<210> 18626
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-D9

<400> 18626

aancgtccgc aaaaatactc atatggctag cttctccaca gcacaacctc tctctctgcc 60

acgtcatcca aacttcttca atccgaatca accaactacc aataacgaac gctcccgcca 120

catttctctg atcgaccgat gtgtgtctct ccgacaacta aagcaaaccc atggtcacat 180

gatccgtacc ggtacgtttt ccgatcctta ctcagctagc aagctattcc gcaatggcag 240

cgctctcttc cttcgctagt ctcgagtatg cacgcaaggt gtttgatgaa attcctaaac 300

caaattcttt cgcttggaat actcttatcc gtgcttacgc ttctggacca agaccctgtt 360

cttaagcatc tgggctttct tgggatatgg tttcggagag tcagtgtt 408

<210> 18627
<211> 360

<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-E1

<400> 18627

tggtngnnct gcgccnacan agtccggaaa ntcccgggnc cacccaancg tccncgttgg 60

tgggatggag atggcatgac cactggatct attgggtcgg accattcatc ggtagtgctt 120

tagccgccct tatatatgag tacatggtca tacccaccga accacctacc caccacgcac 180

atggtgtaca ccagcccttg gcccctgaag attactagat ggaactttcc tcatgtcacc 240

actgcttttg ttcgttgttc aagctctctt tgtctgtatg atgagatcac ttgcatagat 300

actttttttc ttatgctact cttatgttgt aataataaaa aataaagaac gatttcgcaa 360

<210> 18628
<211> 65
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-E10

<400> 18628

ggtgtttccg ttgcncgtta tgtnatttaa caaggcggtc tttacttgcc caccttcttc 60

anttc 65

<210> 18629
<211> 467
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-E12

<400> 18629

tggtngcntt ggtgcccnna caggtacaag cccggaantc ccggancgac ccaancgtcc 60

gacacacata gcaaaaantg gcaaacaagt tgttcctcgt ctgcgcaagc tctcgctctc 120

tgcttcctcc tcaccaacgc ttccatctac cgcaccgtcg ttgagttcga agaagatgac 180

gccactaacc ccataggccc aaaaatgagg aaatgccgca aggagtttca gaaagaacaa 240

cacctaagag cttgccagca attgatgctc caagcaagca aggcaaggnc gtatcgatga 300

gtttgatttc gaaagacgac atggagaacc cacagggaca acagcaggaa caacagctat 360

tccaagcagt gntgcaacga gcttcgccan gaagagccag attgtgtttg gcccaccntg 420

naacaangct gccaaangnc gtntactcca nggacaggac ccaacca 467

<210> 18630
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-E2

<400> 18630

cnnnggtcna nncaattcnc tacagtgaag tcgtattata tgcataagct tttgttttct 60

cttctctccg tcgtctcact ctcatttctc ctcttcttcc atggcgccga ngcacgccag 120

cgagaggcgc cgtttccaaa cgcctgccat ttcagccaan tcaacagcct cgcgcccgct 180

caggcgacga anttctaagc cggtcagatg gaagtatggg accacatgag ccctgagctc 240

cgatgcgccg gtgtaacggt ggctcgcatc acccttcanc ccaantccat tttcttgccc 300

gctttcttta gcccaacctg cccttgcnta cgttgtccan ggagaaggag ttanggggac 360

gantgcttcc gggttgtctt gagacttttt gaanngagnt aaccgat 407

<210> 18631
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-E8

<400> 18631

aagcgtccgg ggtggtcgca tcgaggtctg ggaccaccat gcaccccagc tccgttgctc 60

cggctttgcc tttgagcgtt tcgtcattga gcctcagggt cttttcttgc ccactttctt 120

gaacgccggc aaactcacgt ttgttgttca cggaaggggt ctaatgggaa gagttattcc 180

gggatgcgcc gagacgttca tggagtcacc ggtatttgga gaaggtcaag gtcagggtca 240

gagtcaaggg ttccgtgaca tgcaccanga aagtagagca cctacggtgc ggtgacacca 300

ttgcaacacc atctggtgta gctcaatggt tctacaacaa tggaaatgag cctctcattc 360

ttgttgcagc cgcggatctc gccagcaanc agaaccaagc ttgag 405

<210> 18632
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-E9

<400> 18632

aancgtccga aagaggaaga aaaatgggtc gagtctcatc tattatctct ttctctttga 60

cactcttgat cctcttcaat ggctacactg cccaacagtg gcccaacgag tgccagctcg 120

atcaactcaa tgcgctcgaa ccatcccaaa tcatcaagag cgagggtggt cgcatcgagg 180

tctgggacca ccatgcaccc cagctccgtt gctccggctt tgcctttgag cgtttcgtca 240

ttgagcctca gggtcttttc ttgcccactt tcttgaacgc cggcaaactc acgtttgttg 300

ttcacggaag gggtctaatg gggaagagtt attccgggat gcgccgagac gttnatggag 360

tcaccggtat ttggagaaag gncaagtcan ggtccagant caag 404

<210> 18633
<211> 96
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-F1

<400> 18633

tganatattg cttgtcttcc tccttcgttc cggncaactt gtgaccantc ttacgcatcg 60

atgcgnggtg gaatccgtgg gatcattccc ggcaca 96

<210> 18634
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-F6

<400> 18634

tanntgncnt ggtgncccta naaggtaana gtccggaant cccgggtnga cccaagcgtc 60

cgatcatctc ccatggctct ctgaatttga tcctcaaaga atccggtcta gatgctctaa 120

tctcgtccca aaagtaaacc ggtttgtgaa ccggattatc tctgaccacc gtgaacaaac 180

tcgtgactca ccgagtgact tcgttgacgt attgctctct ctcgatggtc ctgataaatt 240

atccgaccct gatatcatcg ccgttctatg ggaaatgata ttcagaggaa ctgacacggt 300

ggctgttttg atcgagtgga ttcttgctaa ngatggtcct tcatccanat attcaatcga 360

cggttcacaa tgagcttgat caaatcgtgg gacgatcaag ggctgtcgaa gaagtctgac 420

gtggtgtctc tangtatatc taacgggctg tggtgaaagg 460

<210> 18635
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB146-002-Q1-E1-F8

<400> 18635

aagcgtccga aacaagaccc atcgataaca gcgatcatgg tggctaaagc cttagcacag 60

ctgataacat gcatcatctt attctgccac gttgtagctt ccgtagaaga cctcaccata 120

cgccaagtca cggccgacaa tcggcgaatt cgcccgaatc ttctcgggac tcacacagag 180

agtaaattcc ggcttttcat gtccgattac ggcaagaact actccacgag ggaggagtac 240

atccaccgcc tcggaatatt tgccaaaaac gtccttaagg ccgcagagca ccagatgatg 300

gacccctccg ccgtccacgg agtcacacag ttctctgacc tcacggaaga ggagttcaag 360

cggatgtaca ctggagtagc cgatgttggc ggcagccgtg gcggta 406

<210> 18636
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-F9

<400> 18636

ggnnnncntt ggtgncccna caggtacata gtccggaant cccggggttg aanaanaaaa 60

nagttccgac cgttgtttcg aactaccaga aggacgatgg agcggaggat cccgtcngnt 120

gtggacggaa ttgcctcggc gcttgttgcc ttaacggggc taggcttcca ttgtatgcat 180

gtaanaatct ggtaaaatcc ggagaagaag cttgtaatca gtcatgaggc tatagagcct 240

cctgtagctt ttctcgagtc ccttgttctc ggagagtggg angatangtt ccaaagtgga 300

ctttttcgct atgatgtcac tgcctgcgaa accaaagtta tcccggggaa gtatggtttc 360

gttgctcanc ttaacgaggg tcntcacttg aagaagaagc caactgaagt tccgtgtaga 420

taangtgttg caagtctttt gatggcanca aattcaa 457

<210> 18637
<211> 336
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-G1

<400> 18637

aanggtccaa agaaagcagc acgaacacca actcttaagg aaaacatcta agttatgggt 60

taagtaattg catgcaattt aaagctacgt gtccagctta agacactcaa gtctcacatc 120

tgtccctttt tacttcgact tcgcttcttt tggcttcttt taaactctct ctatctctct 180

ctttcttctt cacactttgt tgttaatttc aagtgtttga tcataatggg aacatcagct 240

cgtangcatn aggggttccg ganagcccaa tgacgggana caacccgggn gtccantaca 300

gccnnnnttgg gcngannttn tccccgcagt ttnggc 336

<210> 18638
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-D6

<400> 18638

aagcgtccga tcctccacca ngaacagtat ccaccgccga ttaagaagta tcctccacca 60

gaacagtatc caccgccgat taagaagtat cctccaccag aacagtattc accgcctttc 120

aagaagtatc ctccgccaga acagtatcca ccaccgatca agaagtatcc tccgccagaa 180

cattatccac cgccgataaa aaagtatccn ccgcaagaac agtatccanc ancgattaaa 240

aagtatcctc cgccagaaaa gtatccaccc ccgatcaaga agtatcctcc gccaagaaca 300

gtatccaccg ccgatcaaga agtatcctcc gccaantaag gaagtatcct ccggcgagaa 360

ggagtntcca ccaccggatt cangacttan cnncatcccc ctgtgaagtt tcc 413

<210> 18639
<211> 87
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-G10

<400> 18639

ngcaggcagc acnncaccgt accggtttca ggtcgggggt gggaattttc cggttggtgg 60

gttaagtccg ttgagtgaaa gctatnt 87

<210> 18640
<211> 55
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-G11

<400> 18640

tcgaaatgtt gtcaaattgg ttcagaaagc ttcaggngct tggngttatt gactt 55

<210> 18641
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-G12

<400> 18641

tggtggcntt tgcagnccca aagtcnggan ancccgggtn gccccaancg tccgaatttt 60

tttcgaaaac cccaaaatga ccacaccttc cctatcttcc atcctccggc acacacgtcc 120

aatcttcaag gaaaccctca gggccgccag gccaactctt caaaatgctt tgcccaatgg 180

tttccgcatt gcctctgaat ccaaggacgg ggacacctgc actgtgggcg tgtggattga 240

tgctggcagc agatgggaga ccgagaaaaa caatggtgtc gcgcacttcc ttgagcatat 300

gaacttcaag ggaacaggaa agaggtcgag acaggatatt gagtttggga tggaaaagat 360

gggtgctcat ctgaatgcct acacttctcg ggagcacacc tggttattac cntgnagtgc 420

ttcaaaaaag aacgttcccc gangcagttg aatattcttg ctgganatc 469

<210> 18642
<211> 358
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-G4

<400> 18642

tggtggncnc tgcgnccaca agtccganaa ntcccgggnc cacccaancg tccagttact 60

aagcaagcag ccttggaaaa tgactcttct gcgtattgcc tcagatacgt aaagcagtta 120

ctgtgcgtgt ccggagactg aaaagcctga agtanggaaa caaagtagtt ttatcagaca 180

aaaaaaagat ttttgataag attcaagttg gatgcccttа ataccttatc gatgttgaca 240

gctggtgcgt acttgtctgt ttgtgttttc tctttgtcaa gaaggaaata gactctagta 300

tcgactttag atgtctcgtg ccacgacttc acagctgttt ccatagtctc aacaataa 358

<210> 18643
<211> 270
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-B9

<400> 18643

tgggtctcnt ggcctagaaa gccanaattc ccgggnccac ccacacgtcn angcgagtca 60

acgggtgagt aaacccgtaa ggcgcaagga agctgattgg cgggatccct cgcgggtgca 120

ccgccgaccg accttgatct tctgagaagg gttcgagtgt gagcatgcct gtcgggaccc 180

gaaagatggt gaactatgcc tgaacggggt aaagccaaaa ggaactcngg gnggaanccc 240

ccaacgatac tgnngtttna aaccnttccc 270

<210> 18644
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB146-001-Q1-E1-C10

<400> 18644

acaacgtccg cgtctttttg atgtgtgtat catgttggcg cctggacctc gcccgccaca 60

tatggaataa atgccctaca gagattttcg ttgctctgca attgttatca tcagctgtat 120

agcctgtatt gcaatggatg gttaccaaaa tgccacttct ctccttgttg ctatgttgaa 180

caacataatg tgatgtgttc taaaagcatg tgccttgatt tcagatttaa catcagggaa 240

gcaagttcac tccctctgcc acaaatttgt atctttcttc cacttatgtt agtgatgggg 300

ctagattttg gaagcgagtg catgtgaatt ccataaagct cgggtttgaa tcaaatggtt 360

tgatacaaag tgggctgatt gatatgtaca ggaagtatag gtt 403

<210> 18645
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-C11

<400> 18645

ttggtgtgcc ctggcccgta canagtccaa gaagtcccgg gccgacccaa acgtcagcct 60

ggttttgcag ccttgccaaa ggcatttagt ccatggcatt gatttgatcg taaaaggtac 120

aactcaagac ggcaaggtta tactgtcacc cttggagatg cgttctcagt tctacattct 180

gtgttatgat gtgcaaaaca atgatttgag aaaggttgaa atcacaggag taccacgcct 240

ttggttgcat aaagaatgca attttgactt gaagtttatg gatgagagtg agagcttcat 300

ctacttggaa atttgaccaa tacttttgac ttttgtttgt gtaccagata agaatacagt 360

taagtttttt ttttttcttc tgtcaagatt agtctcctac ccataaatcc accgaaccct 420

cgttaacatt tattatcaat caagancaca aag 453

<210> 18646
<211> 410
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-C3

<400> 18646

acacgtccng actaatgcta gcattcccgt tgtttctcat ctttagtccg gttattgtac 60

cagcagcctt tgtcatcggt ctagctatga ctggattcct ggcttcaggg gccataggtc 120

tcaccggact atcatccatg tcgtgggtac tcaactacat ccgccgggcc gggcagcata 180

tcccggagga gcttgaggaa gcgaagcatc gtttggctga catggccgag tatgtgggac 240

agaggactaa agatgctgga caaaccatag aagacaaagc tcatgatgtc cgagaggcca 300

agacttttga tgtccgagac cgagacacca ccaagggtac tcataatgtc cgagacacca 360

aagactacat aaancgtgtg ttttgagtga accatgttga ataaaaaaaa 410

<210> 18647
<211> 409
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-C5

<400> 18647

aagcgtccgg caaaaaatgg caaacaagtt gttcctcgtc tgcgcagctc tcgctctctg 60

cttcctcctc accaacgctt ccatctaccg caccgtcgtt gagttcgaag aagatgacgc 120

cactaacccc ataggcccaa aaatgaggaa atgccgcaag gagtttcaga aagaacaaca 180

cctaagagct tgccagcaat tgatgctcca gcaagcaagg caaggccgta gcgatgagtt 240

tgatttcgaa gacgacatgg agaacccaca gggacaacag caggaacaac agctattcca 300

gcagtgctgc aacgagcttc gccaggaaga gccagattgt gtttgcccca actttaaaaa 360

aanctgcnaa ggccgttaga ctccagggac agcaccaacc aatgcaagt 409

<210> 18648
<211> 386
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-C7

<400> 18648

agtcaccana accagcttga ccgcaaccca aggccatttt acttagccgg aaacaaccca 60

canggtcaag tatggctaca aggacgagag caacagccac agaagaacat cttcaatgga 120

tttggacccg aggttattgc tcaagctttg aagattgatc ttcagacagc gcagcaactt 180

cagaaccaag atgacaaccg tggaaacatt gtccgagtcc aaggcccgtt cggtgtcatt 240

aggccgcctt tgaggggcca gagacctcag gaggaggaag aagaagaaga aggacgacac 300

ggacgacacg gtaatggctt agangaaanc aancggaacg gccaggtgca cngataacct 360

cgatgatccg tctcgtgctg acgtgt 386

<210> 18649
<211> 70
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-C8

<400> 18649

nccacagaag aacatcttca nctggatttg ggcccgangt tattgctcaa gctttgaaga 60

ttgatcttca 70

<210> 18650
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-C9

<400> 18650

ttgntgcgcc ngccgtnann atccaanaan gcccgggtcg acccaaacgt cngaacatat 60

tcaccattac cttcttcttc tcctccttct ccttcgtttc tcactccaaa tttggaaccc 120

taaatcctaa tatccttcga ttagttctct tctctatcgg nattcttaac gttgagagga 180

gtctgatatt tgccgtgact caagagattc caggtgtttc cgacggtata tatttacata 240

tgggcgtcgt tggntctgac tctcctccct ccgttaagat tccttcgtat ctctcctcgt 300

cgtcttcgtc tctcttctcc cgttcctcga tttctttcag gaccactgag tctcgctctc 360

gaatctgcgt ttctggttac gcgaaatgca atttgcctaa ggnactaaac gggaacgctc 420

gtgttccaat taataatgag acgacaattc cta 453

<210> 18651
<211> 232
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-D1

<400> 18651

tggtatccct gcggncnaca agtccgaaat tcccggggcc acccacncgt ccaggccccc 60

tttggtctga aatagccgta cgcactctgg aggtagagcc caagaataat aaagtaagag 120

aagtaacccg ggctatgagc tatttcgtcg ttttcttgcc ggagttcgct agccgttcaa 180

tccgatcttc ccttcgcatg gcagaagagc gcggctcgag actactcttt ca 232

<210> 18652
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-D12

<400> 18652

acncgtccgc aagaacttcc ccgtttaaag taatatcacc gcgtaggctc tcttttgaaa 60

tccgattggc taatgcatcg ataagcgttg atttccctga cccgctcgct ccaagaacag 120

ccatcatctc tccttcccgg gcttcaccag aaataccatt caggagcacc ttagtattca 180

tctccatatc attaccatca aaaggtgaat tcccacaaca aggaaagggc ttaaacttct 240

tcttgatctt cacgctgtaa gtcaagtctt tgaaggaaag aacaaacgga gaagaagaag 300

gcacacgaga agacggaacc gaggaccaga aattggacgc aaccgcaata tccatagccc 360

gactctggtc atccccctca tcttccacac tcatgagaag ttctgc 406

<210> 18653
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-D3

<400> 18653

tggtatncct gcgncctaca agtccganaa agtcccgggt cgacccacac gtcnacaaac 60

gttacgttct cgttttctca aattccaaac aataccaaga aacctctact tgaaaagaga 120

agattatcgc cgcgtgtgtg cctaagagcg atggcgtctg agaaacaaaa acaacatgca 180

caacctggca aagaacatgt catggaatca agcccacaat tctctagctc agattaccaa 240

ccttccaaca agcttcgtgg taaggtggcg ttgataactg gtggagactc tgggattggt 300

cgagccgtgg gatactgttt tgcatccgaa ggagctactg tggctttcac ttacgtgaag 360

ggtcaagaag aaaaagatgc acaagagacc ctacaaatgt tgaaaggagg tcaaaacctc 420

ggactccaag gaacctatcg ccattccaac ggattta 457

<210> 18654
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-D5

<400> 18654

aagcgtccgg tgaaatttga ttctccgatc actacaacga ttccgatctg tcctccgtcg 60

atttcgatcg tgattttgat attgtttcga catgaaattg gtgtgatctc gtttcgagtt 120

tcgtggcgta tttgcttatt cgtttaagtg tgtggaattg attttcaatg ggagataatt 180

ctggtagaag tagaaactct atgatggcaa ctgtttcttc tgggaaagag ttgttaccta 240

agagaagctt agtagctgct attccaagag ctgttcagca aaaaatctct aagcatgttt 300

cgtttgggaa taatggtaga tttggaaagt ggaaccgcgc gtaatgcaac tgtgtttcca 360

acccaaatcc ncggtttaag aagttgttcg aagggtttca aaggc 405

<210> 18655
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB146-001-Q1-E1-D8

<400> 18655

aagcgtccgg aaaatttga ctcaaatgag ttgatgggtc aaatgagttg atgagtcaat 60

tggtttgatg agtaaaatga nttgggttgt aatggttaat ggtttcaatg gtttacccaa 120

ttaacccatc aagttttgta aaattgaatt aaaccaacta aaatctctaa accaatgcca 180

atttaagttt aaccaacaca tctaaaccaa tttaataaaa ttaatatttt tccaaatttc 240

ttaaatatac aagcgatgaa attgagaaaa agtaaactcg taagttttcc accaaaaaac 300

ataaatccgt gatttttccg ccaaaaacgt aaaccccgtg attttcctcg tcaaaaacgt 360

aaacccgaag atttccccgc caaaaacgaa aatccgaaga ttttcc 406

<210> 18656
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-B8

<400> 18656

ggtatccggt gnncctgaaa gtaatagtcc ggaagtcccg ggtcnaccca ancgtccggt 60

agctatgacg cttgactcag agtacttacg tggctcaatc gcagccgttc attccatgct 120

ccgccacgcg tcatgtccag aaaacgtctt cttccatctc atcgctgcag agtttgaccc 180

ggcgagtcca cgcgttctga gtcaactcgt ccgatctact ttcccgtcgc taaacttcaa 240

agtatacatt ttccgggaag atacggtgat caaccttatc tcttcttcaa tcagacaagc 300

tttagagaat ccattgaact atgctcggaa ctacctcgga gatattcttg atccatgcgt 360

agacagagtc atttacctag actcggacat catcgtcgtc gacgacntaa caaaagcttt 420

gggaacacga ctttaacaga gtcaangaat catg 454

<210> 18657
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-D9

<400> 18657

tgggtgnccc tgnccgtgan agtcananan ntcccgggcc gacccaaacg tcagaatcaa 60

taaagaggaa gaaaaatggg tcgagtctca tctattatct ctttctcttt gacactcttg 120

atcctcttca atggctacac tgcccaacag tggcccaacg agtgccagct cgatcaactc 180

aatgcgctcg aaccatccca aatcatcaag agcgagggtg gtcgcatcga ggtctgggac 240

caccatgcac cccagctccg ttgctccggc tttgcctttg agcgtttcgt cattgagcct 300

cagggtcttt tcttgcccac tttcttgaac gccggcaaac tcacgtttgt tgttcacgga 360

aggggtctaa tgggaagagt tattccggga tgcgccgaga cgttcatgga gtcaccggta 420

ttttggagaa ggtcaaggtc aagggtcaga g 451

<210> 18658
<211> 449
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-E10

<400> 18658

ttggtnccct ggccgtacaa agtccaagaa ttcccgggnc gacccanacg tcngcctaat 60

cacaaacaca cacaaatctc tgaagtaaaa tgacgttccc ttctctttct gtctcatttc 120

tcttctttgc cttcatattc gttacgcatg cattcgacct cagcatcatc cagatgcaac 180

agggaacatg tccgtacacg gtggttgtca tgacaagctg tctttctccg gagtcgacaa 240

gagatcagat cagcattgtt tttggcgatg ccgacggtaa caaggtgtat gcaccgaaac 300

taggggggttt ggtaagagga ccaggggggtt tggggaagtg ttcaacgaac acattccaag 360

tcagaggtca atgtttgaat gaccctatct gctctctcta tatcaaccgg aatgggaccc 420

gacggttggg tcccggagtc cattgagat 449

<210> 18659
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-E11

<400> 18659

ttggttnccc tggccgtaca aagtccaaga antcccgggt cgacccaaac gtccggttaa 60

agaatcttga agcggataat gtcgagacgg aggttctagt gtgtggaggt gcaccaaaag 120

gatcatacaa cctcgctaga aagaaaactt tcgtgaaagc gcttgacacg tgtgcaagga 180

tcaagattaa cgatgccaaa cctgaatggg cggttgagaa gatgccacat gctagagtta 240

tgggagatat gattcctttg ccaaacggag atgttttgct aatcaacggt ggatcttttg 300

gtactgctgc atgggagctt ggtcgtacac cggttttagc accggaccta taccatcccg 360

agaatccggt tggctctagg tttgaatcgc taaggccgac tacaatcccg agaatgtatc 420

actccgcggc tattcttcta cgtgacggta g 451

<210> 18660
<211> 403
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-A1

<400> 18660

aancgtccga gtgaaggaac acttcgttgt tacgaagatc ggtgtcctca tcggttggct 60

aagttgtctg aaggacaatt gattgatggg agattggaat gtttgtatca tggntggcaa 120

tttgaaggag agggcaaatg tgtcaagatt cctcagcttc ctgcaagtgc taanattcca 180

aaggctgctt gtgtgaagac ntangangtg aangattcac aaggagttgt gtgggtgtgg 240

atgtcaacaa agacacctcc aaaccctgag aancttcctt ggtttgagaa tttcgctnga 300

cccggttttt tcgacatttc gactactcat gagcntccnt atgncnaatc nantccttta 360

ngacaaaccn gaaggggttc tgcncaaggt ccctaccccn cat 403

<210> 18661
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-A11

<400> 18661

ttgnctgtcc ctgggccgtn canagtccan aaantcccgg gccgacccaa acgtcanaan 60

caaaacaaaa aatgggtttc attggtaaga gtgtattagt gagtctcgta gcactttggt 120

gcttcacttc ctctgtcttc actgaagaag tgaaccatan gactcaaacc ccttctctag 180

ctcctgctcc tgctccttac caccacggcc accaccaccc acaccctcct catcaccacc 240

accctcaccc tcaccctcan cctcacnccc acncaccggn caaatctcct gttaaacccc 300

cggttaaggc accagtgtct cnacnagnca ancctccggt taagcccccg gtttacccac 360

ccaccaaagc cccggtgaaa cccccaacta aacccccgng tcaggccacn tgtttcccca 420

ccaagcnaaa cctcnggtta ggncaccagt ttaaccctcn g 461

<210> 18662
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-A12

<400> 18662

cttggtnntc ctgccggtaa nagtccaaga antcccgggn cgacccaaac gtcngattct 60

ttctttctga tattataaac ctccgatttg gtttagttca aaactagaag cagcaaaatt 120

ctgaacacgt aaagctttgt ttcactcagt gtttcccgat cagatccaat ggagagaggt 180

ggttatcgag gaggtcgtgg tgatggccgt ggtagaggtg gccgtggtta tggcggagac 240

ggaggaggag gagaacaagg tcgtgatcgt ggctacggcg gcggagaaca aggtcgtggt 300

cgtggtcgtg gctcagagcg aggcggcgga aatcgtggtc aaggtcgtgg tgaacaacag 360

gattttcgaa gccagagtca gcggggacct ccgccaggtc acggtggccg tgggacgacg 420

cagttccaac agcctcgacc acaggtggct 450

<210> 18663
<211> 464
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-A3

<400> 18663

tggtatcntn tgtgnncctg aaggnanana gtccggaagt cccgggncgc ntcaaacant 60

nactgncagg gaaccacttg tcatcgtcag cgtcttcgat ctagccagtc accagaacca 120

gcttgaccgc aacccaaggc cattttactt agccggaaac aacccacaag gtcaagtatg 180

gctacaaggc cgagagcaac agccacagaa gaacattttc aatggatttg gacccgaggt 240

tattgctcaa gctttgaaga tcgatcttca gacagcgcag caacttcaga accaagatga 300

caaccgtgga aacattgtcc gagtccaagg cccgttcggt gtcattaggc cgcctttgag 360

gggccaagag acctcaggag gaggaagaag aaagaaagna ggncgacatt gaccaacacc 420

ggtaatggct taaaggagac atctgcagcg ccaggtgcan cgaa 464

<210> 18664
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-A5

<400> 18664

tggnngtctt nngccccaaa ngngaaaanc cngnagtccc gggtcgaccc aaacgtccgt 60

tcagggctcg ctttttcacc tatttaaacc atcattttcc tttctccatt ttgccgtcat 120

cacccaacaa caaaacccta gttttggttt ctctggatct gaagaatctc catgactatt 180

ctcatagatc gccactctga tcagaacggt tcgtgatcct ttgtactcgt tttactttgg 240

atctttcttt ctctatgctc tgttttgaaa tgatcttatt atagattttt ttgatgattg 300

agtttgagtt actttagatg caggagatga gattgtagag aagaatcagg ggaatggtaa 360

agaggaagaa acagagttgg tgttagatgc aggttttgag ggccctnaag acaaaggncc 420

ttnggtcaca cctttaggga ttatgatgct gagagg 456

<210> 18665
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-A7

<400> 18665

aancgtccgc caaaaacaca ctcgtgagct tataaaaaaa aatcaacaat gaagattcct 60

ctcttggggt tacttttact aataagtctt gtcggctctc cgacaagggc tgaagaagga 120

cctgtttgcc cgaagaccga aactcttagc cgtgcaagtt ttccggangg ctttatgttt 180

ggtactgcaa ccgcagcctt tcaggtggaa ggtgcagtaa atgaaggttg cagaggtcca 240

agcctgtggg acatctacac caagaaattt ccacatagag ttaagaatca caatgctgac 300

gaggccgtcg atttctacca tcgctacaag gaggatatcc aattgatgaa aaancctgaa 360

cactgatggt tttagacttt cnatttcgtg gccaagaata tttcctc 407

<210> 18666
<211> 408
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-A8

<400> 18666

angcgtccgc tttacaatca gtcttgaaat tcgaattgaa tgaatttaca acctccagct 60

accttggcat ttatcttcag gagaacattg gtgagatact gatcgttcag tctggtggga 120

gcaatgcact gagtcacaat tccaagatca acaagattct ttttttcca agggcctaaa 180

aaatttcaga cacatgaaaa gttaaacatt tacattcaag ggggaaaaca ggccatattc 240

aagaatgtaa agtgtgatgt gatgtaccat aaacatcaga gtttttcctt tcagcgagta 300

tgcaaagaag gaacagaggc ggctttggga agtttggatt ttatctgctc aaacatattc 360

cccnactcct caacagtanc tggtgcattc ctaaactgag gattctcg 408

<210> 18667
<211> 326
<212> DNA
<213> Arabidopsis thaliana

<223> Clone ID: LIB146-001-Q1-E1-A9

<400> 18667

aaacgtccgc aggtggattc ttcttgatga aagccttaac agaattcagg atcttctcat 60

tcttggcttg atcagaccag gaaggtaaga gaccgggagt gtcaatcacc cgtaccttaa 120

ttccctgaac caaaccctca acatcttgaa ccctctttgt ccccatctgg aatgcatcag 180

tacaaaattt cacttcatca aatatagaat tgatcgttgc acttttacca accccacttt 240

ttccgagaac cataatcgta caagaaaaat caagtggatc ctgtccagca gcctcaagct 300

gttctgccat ggcactggcg cgatca 326

<210> 18668
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-B1

<400> 18668

gggtnncnnt ggtggaccta aatgtaatag tccnggnnnc ncncacacgt ccgaaataaa 60

gcagtgcagt ggttgtagtg tggagacgca agaggtgctt gatgctgaac tctccgctcg 120

tgttttgcgg ctagtaaatg ttatggacag tggactgcat agacagagat atggtgaaat 180

aagtaaacaa aggcttgatc gtgccattct taccttcttc caaaatttcc ggaagtctta 240

cgttggtgat caggccatgc attcatcaaa acagttgtat gccagattga aagaactcct 300

tggactgcat gatcatcttg ttctgttgaa cgttattgtt ggcaagattg ctacaaactt 360

aaaatgttat acaagagagt gaagaagtca ttaatcacac gccaaagttt tgttcccggg 420

agttggcatc cgggatacat gaccggggaa agctgctttt 460

<210> 18669
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-B11

<400> 18669

ttggcncncc tggcccgtaa atnatccaaa aagtcccggg ncgacccaaa cgtcaagcaa 60

ttattggctc agaagaaacg atgggctcat tttggttggg ttanctggtc cttctggagc 120

tggcaaaacc attttcactg agaagattct caattttatg cctagtattg ctatcattaa 180

catggacaac tataatgatg gtactcgtgt tatcgatgga aactttgatg atccaaggtt 240

gactgactat gatacacttc ttgacaatat acatggtcta agggatggaa aacctgttca 300

ggttccanta tatgacttca agtcnagttc tcgaataggt tacagaacgc ttgaggtgcc 360

tanctctcgc attgttattc tagaaggcat atatgctttg agtgaaaaac tacggccttt 420

gctacatctt ccgtggtctc tgtcaccngg gtgg 454

<210> 18670
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-B3

<400> 18670

tggtntcnct gcgnctacaa gtccgaaatt cccgggncna cccacncgtc cggaagaaaa 60

atgggtcgag tctcatctat tatctctttc tctttgacac tcttgatcct cttcaatggc 120

tacactgccc aacagtggcc caacgagtgc cagctcgatc aactcaatgc gctcgaacca 180

tcccaaatca tcaagagcga gggtggtcgc atcgaggtct gggaccacca tgcaccccag 240

ctccgttgct ccggctttgc ctttgagcgt ttcgtcattg agcctcaggg tcttttcttg 300

cccactttct tgaacgccgg caaactcacg tttgttgttc acggaagggg tctaatggga 360

agagttattc cgggatgcgc cgagacgttc atggagtcac cggnaatttg annaaggcaa 420

ggtcagggtc agagtcaagg gttccgtgac a 451

<210> 18671
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-B4

<400> 18671

ttggntgncc ctgagncgta canagtccan aaantcccgg gccgacccan ncgtcngaga 60

agataaaaat ggctcgagtc tcttctcttc tttcnttctc cttaacactt ttgatccttt 120

tccatggcta cgcggctcaa cagggtcagc agggtcagca gtttccgaac gagtgccagc 180

tcgaccagct caatgcgctc gagccttcan acgtactgaa gagcgaggct ggtcgcatcg 240

aggtgtggga ccaccacgct cctcagctcc gttgctcagg tgtctccttt gcacgttaca 300

tcatcgagtc taanggtctc tacttgccct ctttctttaa caccgcgaag ctctccttcg 360

tggctaaagg acgacgtctt atgggaaaag tgattcctgg attccccccga aacattccaa 420

gactcatnag agttccaacc acgcttcgaa ggtca 455

<210> 18672
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-B6

<400> 18672

tcntttctcg gtggncctga atgtanggat ccngaagtcc cgggtcnacc caancgtccg 60

gaaaacatac acaaatagca aaacatggct aacaagctct tcctcgtctg cgcaactctc 120

gccctctgct tcctcctcac caacgcttcc atctaccgca ccgttgtcga attcgaagaa 180

gatgacgcca gcaaccccgt aggtccaaga cagagatgcc agaaggagtt tcagcaatca 240

caacacctaa tagcttgcca gagatggatg agcaagcaaa tgaggcaagg acgtggtggt 300

ggtccttccc tcgacgatga gttcgatttc gagggcnccc agcanggata ccaagctact 360

ccagcantgc tgcaacgagc ttcggcagga agagccagtt tgcgtttggc cctacntnna 420

ancnagnngc cagggnnagt tagccttnan ggacagcaat 460

<210> 18673
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-B3

<400> 18673

ttggtaggtn ctgnaggccn canatccgga aatcccgggt cnacccaanc gtccgataaa 60

aatggctcga gtctcttctc ttctttcttt ctccttaaca cttttgatcc ttttccatgg 120

ctacgcggct caacagggtc agcagggtca gcagtttccg aacgagtgcc agctcgacca 180

gctcaatgcg ctcgagcctt cacacgtact gaagagcgag gctggtcgca tcgaggtgtg 240

ggaccaccac gctcctcagc tccgttgctc aggtgtctcc tttgcacgtt acatcatcga 300

gtctaagggt ctctacttgc ctctttcttt aacaccgcga aggctctcct tcggtggcta 360

aaggacaagg tcttatggga aaantnntcc ctngantgnc cccaancaat cccaaggact 420

ccatnanagn tnccaacaag ctttcaaagg gcaaggtcaa a 461

<210> 18674
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-B5

<400> 18674

angcgtccgg aagatgatgc ttaccgaaaa catattttgt aaaatacaaa attcttatat 60

ccgaatgtaa ctaatttgag aaagacggtc tctatacgta tataaaatat atgtatatat 120

gcctctctat tctttgatga acttcagtca ggataattaa tttactaaaa ctcttccaaa 180

atgtcacatt ccttcttcaa tttantccta atctctcttt tcctctacaa canttgcatt 240

gcgcatcact atacattcac gttagggaag ttccatatac caaactgtgt agcacnaaag 300

gcganttta ancgttaana ggcangtttc ccggaccgaa ttannaaggg tcacanangg 360

gagacactac tttatgttta anggttcaaa anccgganct agtggnanac nat 413

<210> 18675
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-B6

<400> 18675

angcgtccgc cacaatgtat cttcctctcc tctatcttct gcttctggct tcttgcttga 60

cacatcaagc tttaggccgt ggtcgtggcc ggccatcacc ggaaggaagc ttggatcctt 120

cttctcgcat caccgtaatc ggagttgtct actgtgacac gtgttctatc aacactttct 180

caagacaaag ctatttctta caaggtgtgg aagttcatgt gacatgtaga ttcaaagcaa 240

gttcaccaaa aacagcagag gaagtgaaca tatcagtana caagaacaac aaacagaagt 300

ggcgtgtaca anctcgagat ccctcacgta gatggcatcg attgtgtcga cggaatcgct 360

atatcatcac aatgcagtgc caagatacnc aaaacctcct ctga 404

<210> 18676
<211> 398
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-B7

<400> 18676

aancgtccga agaaataaca aaatggctcg agtctcttct cttctttctt tcttcttaac 60

acttttgatc cttttccatg gctacgcggc tcaacagggt cagcagggtc agcagtttcc 120

gaacgagtgc cagctcgacc agctcaatgc gctcgagcng tcacacgtac tgaagagcga 180

ggctggtcgc ancgaaggtg tgggaccaca acgctcntna gctcngtngc tcaggtgtct 240

cctttgcacn ttacatcatc aantctaagg gntctctact tgccctcttt ctttaacacc 300

gcngaagctc tctttcgtgg ctaagggacn aggtcttatg ggaaaagtga tccctggatg 360

cgccnaaaca ttccaagact catcanagtt ccnancac 398

<210> 18677
<211> 368
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-B8

<400> 18677

angcgtccga acaaaaagaa aatggttaag ctcagcaatc tcctcgttgc aaccttcggg 60

gttctcctcg tccttaacgg ctgccttgcg angcagtcac ttggggttcc tcctcagcta 120

cagaacgagt gtaacctcga caacctagat gttctccaag ccaccgaaac tatcangagt 180

gaagccggtc agatcgagta ctgggaccac aaccaccctc agctccgatg tgttggtgtt 240

tcngttgctc gttatgtaat tgaacaaggn cggtctttac ttgccnacct tcttcacttt 300

cccaaaaaaa tttccnnacn cntttanagg gacngggnat cacacgggaa aagtgntgcn 360

cctggnta 368

<210> 18678
<211> 385
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-C11

<400> 18678

cgttttctct tggatttaca agtacgcaac gggagagcac ccacagggat cagacaagtt 60

ggacagtgca aggatgaagt tgggaagcaa agctcaggat ctgaaagaca gagctcagta 120

ctacggacag caacatactg gtggggaaca tgaccgtgac cgtactcgtg gtggccagca 180

cactacttaa gttaccccac tgatgtcatc gtcatagtcc aataactcca atgtcgggga 240

gttaagttta tgaggaataa agtgtttana atttgatcag ggggagataa tnaaaaccga 300

gtttgaatcn ttttgttata agtaatgttt atgtgtgttt ccatatggtt gtcaaatggt 360

accatgtttt ttttcctccc ctaaa 385

<210> 18679
<211> 363
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-C3

<400> 18679

ggtgctnctg cagcccacaa agtccggaaa ntcccgggnc cacccaancg tccnattttt 60

tggtaaattt ggtcgctata tttgactact tgtactctgc tttgagaaga aaaataaaac 120

cattttggg tgatangtga ctgaataaac atctcttgtc tcttgatgga tcnactangg 180

tctggagatt agttcgttta ttgaactagt gttttagaca atgcaagagt tccatagnag 240

cacagattca ttgccttgtc ctgcaacttc ttgggatanc tctgtcttca ccaactcaaa 300

tgtccaagga tcancatccc tgngcganan caacactttn nagcnttggc atggacgatn 360

aaa 363

<210> 18680
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-C4

<400> 18680

tggtgntcct gcgcctacat agtccganaa gtcccgggtc cacccaaacg tcnataaaaa 60

tggctcgagt ctcttctctt ctttctttct ccttaacact tttgatcctt ttccatggct 120

acgcggctca acagggtcag cagggtcagc agtttccgaa cgagtgccag ctcgaccagc 180

tcaatgcgct cgagccttca cacgtactga agagcgaggc tggtcgcatc gaggtgtggg 240

accaccacgc tcctcagctc cgttgctcag gtgtctcctt tgcacgttac atcatcgagt 300

ctaagggtct ctacttgccc tctttcttta acaccgcgaa gctctccttc gtggctaaag 360

gacgangtct tatggggaaa agtgatccct ggatgcgccg anacattcca agactcatca 420

gagttccaac cacgcttcga aggtcaaggt ca 452

<210> 18681
<211> 413
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-C5

<400> 18681

aagcgtccga acaaacaaaa agaaaatggt taagctcagc aatctcctcg ttgcaacctt 60

cggggttctc ctcgtcctta acggctgcct tgcgaggcag tcacttgggg ttcctcctca 120

gctacagaac gagtgtaacc tcgacaacct agatgttctc caagccaccg aaactatcaa 180

gagtgaagcc ggtcagatcg agtactggga ccacaaccac cctcagctcc gatgtgttgg 240

tgtttccgtt gctcgttatg taattgaaca aggcggtctt tacntgccca cttcttcact 300

tccccaaaaa tttcctangt cgttcaaang aacngggtat canccggaag aagtggtccc 360

tgngatntgc ccganaactt cagnggactc cgnangccgg atgcaagggn naa 413

<210> 18682
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations

<223> Clone ID: LIB146-002-Q1-E1-C8

<400> 18682

gcnntancnt gagnggccct gaaaggcnct tagtccgggn gnccncgggt cganncaagc 60

ctcnncncag cgtcnttaca caaagatctc tattggtact tctcaaatta aatggatcac 120

aaaatcctac taacacctcc caaatcttta tacaccaaat gtatcataac catcatttac 180

gtagtatcaa tctctcatct aaatgcccat ttcataactt catgcaaaca aaccccatac 240

cctagcgtct gcgaccacca catgtctaat tcacctctca aacctttaga cgaccaaacg 300

gatgggttca ctttccacga ccttgtggtc agctccacca tggaccaggc cgtacaacta 360

caccgccttg tgtcttccgt gaaacagcat cattctctcc acaaacacgc aacatcagct 420

ttgtttgact gcttggagct ctacgannga cactatagna g 461

<210> 18683
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-C9

<400> 18683

aancctccgg tganaanngt ttcngtctag aagcttttaa ggattaagac tctccaaaat 60

tttgacgccg tgttattctc ttcccgtctc tcatggatcc ttcaagacga ccaccgaagg 120

actctcctta cgcgaatcta ttcgatctcg agccgttgat gaagtttaga attccgaaac 180

ctgaagatga agttgattat tatgggagta gtagccagga tgaaagtana agcactcaag 240

gtggggtagt ggcaaactac agcaatgggt ctaaatcgag aatgaatgcg agctccaaga 300

agagaaagcg gtggacagaa gctgaggatg cangaggacg atgatgatct ctacaatcaa 360

catgttactg angagcacta cccgatcaat gcttggggaa catgt 405

<210> 18684
<211> 472
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-B11

<400> 18684

tttcnggctt tggtgnccca nanaggnaca tagtccggaa gtcccgggnc gacccaancn 60

tccgggccgc ctttgagggg ccagagacct caggaggagg aagaagaaga agaaggacga 120

cacggacgac acggtaatgg cttanaggag accatctgca gcgccaggtg caccgataac 180

ctcgatgatc cgtctcgtgc tgacgtgtac aagccacagc tcggttacat cagcactctc 240

aacagttacg atctccccat ccttcgcttc atccgtctct cagccctccg tggatctatc 300

cgtcaaaacg caatggtgct tccacagtgg aacgcaaacg cgaacgccat tctttacctg 360

acagacgggg aaagcccaaa tccagatngt aaacgacaat ngtaacagaa gtgttttgaa 420

cgggncaaag ttctctcaaa gggacaagct catagcccgt nccancaaag gt 472

<210> 18685
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-D11

<400> 18685

aancgtccgt acacgctttc cttcttcttc tctttctccg atttttattt tttttactat 60

ttgtgatttt gaattttccg gcgatggcgt caacgtcggc ggaaatggac caattaacat 120

caggcgcgag caatcggata atatttatct tgagaacgct taggaagtgt ctcgtcttcg 180

ttctctctct cgtcctttct cttctcctta ntcttcgtct ccgtcctcgt cgccgtgtct 240

ctcctctttc atcncctgan ngatgangct gttccggctc cttcgagggg atggaagacg 300

gaagatggcg tggaagctgg angaggaaga tacggcnaga cgtcgttcct taagcggaag 360

gcgtngagat ngccggagat ggngagatct cttgttcgtt gttt 404

<210> 18686
<211> 214
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-D2

<400> 18686

tangtttcta gatcttttct ttcttccgcg aaacnancat nagagagtgc atttcgatcc 60

acattggtca ggccggtntc cangtcggaa atgcttgctg ggagctttac tgtcttgaac 120

atggcattca ncctgatggc cagatgccgc agtgacaaga ctgttggcgg aagtgacnat 180

gctttcaagc accttcttca ntgagacngg tgca 214

<210> 18687
<211> 453
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-D4

<400> 18687

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ccttcaatac atttcatcgt ggggcatggt gcacaccacc acgtttgttt cttgaggatc 120

agtttgacgt agtccctcca gagaatgctt ctgtaagttc atatgggaag aagtctgttg 180

tagaggaacg tgtcaagaag aagccccaac ctgtgaagat tagtccttgg actctagctc 240

gtctcaatgc agaagaagtt tcaaaagcag cagcagaagc aagaaagaaa tccaaaataa 300

tccagcctgt ggcgagacgg gaaaatccat tttgttggct tagaagcaag cagcagcttc 360

ggaagcagtg gccgtanaat gttcccaaca naatatgaag gtgttaataa taacgggaag 420

cagcgaaggc aatcaaagcg catacggtta cca 453

<210> 18688
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-D5

<400> 18688

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ccttttccat ggctacgcgg ctcaacaggg tcagcagggt cagcagtttc cgaacgagtg 120

ccagctcgac cagctcaatg cgctcgagcc ttcacacgta ctgaagagcg aggctggtcg 180

catcgaggtg tgggaccacc acgctcctca gctccgttgc tcaggtgtct cctttgcacg 240

ttacatcatc gagtctaagg gtctctactt gccctctttc tttancaccg cgaaagctct 300

ccttcgtggc taaaggacga ggtcttatgg gaaaagtgat ccctgtatgc gccgaaacat 360

tccaaagact catcagagtt cnaancacnc ttcgaaggtc aaaggg 406

<210> 18689
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-G5

<400> 18689

cggtanntcg tgtgnccctg aaatgtacat agtccggaan tcccgggtcn acccanacgt 60

ccgctctacc tacagagaga gagactgaac cagacgactt tcagtttcag ttccagtttc 120

aaagatctct ttttcgtttc tcgctgtctg tagcatcaat ggcaatcgct tcctgcttct 180

tctgtgttcc aanaccgaac acagctatct ctgaatccaa tctgacatgg cctcacatcg 240

cttcgtttcc tagactctct tcatcttcct cttttaacgg tgtaatctct gcaaagtcaa 300

tctcttttaa ccgccgtgta cctattaccc ctgttttatc cgcttcaagt ggtaacggcg 360

gntctgataa taacggagga ggtcttantg gtggtggtgg tggtggcgat tgggnggnan 420

gaatganggg aatggacaan ggngacgang acaggggant gg 462

<210> 18690
<211> 454
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-G7

<400> 18690

nntanctcgg tgctcctgaa tgtaacagtc cggaagtccc gggtcnaccc aancgtccga 60

ttttcgccgc gtggattgat atgacgactc tctttcgccg gaagtcaatc ggaatccgcg 120

acaacttctt ccttcaatcc ctttgatttt tttttggctc tacttatccc aaaccccttca 180

aatcttcagg tccaatctct tcttctattt gtttttttaat taaaaaaatc cggcgaaagg 240

tgaagctctt ggattcgagt ggtggctagt aatcgatttc ggtagtttag aagtagttta 300

taggttttat cagctttcga tttgatggag ccgcgagtcg gaaacaagtt tcggctcgga 360

aggaagatcg gcggtggatc attcggagag atctatcttg gtaccaataa ccaagacaaa 420

tgaagaagtg gctattaaac ttgaaaatgt gaaa 454

<210> 18691
<211> 361
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-G9

<400> 18691

ttggtgnccc tggncgtnan agtccaaaaa ntcccgggcc gacccaaacg tcattcgtgg 60

aatgcttcca aagggacggc ttgggagagc tctgttcaat cacctgaagg tgtacaaagg 120

ccctgaccat cctcacgagg cccagaaacc gcttgatctg cctatcaggg acaagagaat 180

acagctgcaa aaatagaagc tccaccactg ttccattatc gccaagcgca gagagttttt 240

tcttctcagg tttctgtatt ttcttcatcc caaaaccaga ggaggcttta cagattcttg 300

atttcgcttc tatcaactct cttatgctac aaaactttct aatttgaaat atttctcgtt 360

a 361

<210> 18692
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-H3

<400> 18692

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catacacaca tagcaaaaaa tggcaaacaa gttgttcctc gtctgcgcag ctctcgctct 120

ctgcttcctc ctcaccaacg cttccatcta ccgcaccgtc gttgagttcg aagaagatga 180

cgccactaac cccataggcc caaaaatgag gaaatgccgc aaggagtttc agaaagaaca 240

acacctaaga gcttgccagc aattgatgct ccagcaagca aggcaaggcc gtagcgatga 300

gtttgatttc gaagacgaca tggagaaccc acagggacaa cagcaggaac aacagctatt 360

ccagcagtgc tgcaacgagc ttcgccagga aanagncaaa tttgtgtttt gcccaacctt 420

gaaacaagct gccaaggccg ttagactcca gggacagcac ca 462

<210> 18693
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-H6

<400> 18693

tcgnngncct ggtgccccta aaaggtacan agtccggaan tcccgggtng acccaancgt 60

ccgcccacgc gtccgataaa aatggctcga gtctcttctc ttctttcttt ctccttaaca 120

cttttgatcc ttttccatgg ctacgcggct caacagggtc agcagggtca gcagtttccg 180

aacgagtgcc agctcgacca gctcaatgcg ctcgagcctt cacacgtact gaagagcgag 240

gctggtcgca tcgaggtgtg ggaccaccac gctcctcagc tccgttgctc aggtgtctcc 300

tttgcacgtt acatcatcga gtctaagggt ctctacttgc cctctttctt taacaccgcg 360

aagctctcct tcgtggctaa aggacgaggt cttatgggaa aantgattcc gggatnngcg 420

gaaancattc caaggactca tcaggagttc caaccaangc t 461

<210> 18694
<211> 405
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-H7

<400> 18694

aancgtccgc ttttttttcg tgtcagattc gctttctcta cggctggact agaaggatta 60

gggatttacc ggtggaagaa taactccaga gataaatctg taaccatgga tatgatgaag 120

aagcgtaagc tcgatgagaa cggtaacgga ctcaatacca acggtggcgg aaccattggt 180

ccaactcgat tgtcgccgca agacgcgagg aagattatcg agcgattcac cantgatcag 240

ctgctcgact tattgcaaga ggctatcgta cgccatcccg acgtgcttga atctgtccga 300

ttaaccgccg actctgatat ctcgcagcgg aagctattca tccgtgggct cgccgngggt 360

tacaactacg gaaggnctcc gttcgctttt ttcnagttac ngaga 405

<210> 18695
<211> 463
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-H8

<400> 18695

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ccggncatgc ttttttttct gaaggtagga gaaaagataa aacttattat attaattaat 120

atattaatta aatcaaaatg aaagtttgaa actcatgtaa ttactctctt ttgtttaatc 180

caagaaaaac aaaaaatcta taagaaatct cattcaatta gacattcaat tagatataaa 240

gttcaaagta ggttaaagtt aaaaaactgg tacaccaaaa caaaagagtt ggttgtcgag 300

ccgtatgagg taggaaactc tcaagtacgg ttctcaggga gggaattgat ccgcctattc 360

cgaccgtgga gaacaggcca ttcaacaang atgttctgaa atggccggaa ggctgggtcg 420

ctcaanccgc cggagtantg ggaaccaggc tannaacgcc tta 463

<210> 18696
<211> 451
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-H9

<400> 18696

ttggttnccc tggccgtaca aagtccaana antcccgggn cgacccanac gtcngccaaa 60

attacactgt aaatttggca tttcgagaag aagaagaggg agtgatggaa ttgcaaggag 120

aggaaagcaa aacggcgacg tattgcgtga cgggtgcaag tggatacatc ggttcttggt 180

tggttaagtc tcttctccaa agaggttaca cagtccatgc cactctcaga gatcttgcaa 240

aatctgaata ctttcaatct aaatggaagg aaaatgaacg gctcagatta ttccgagcgg 300

atcttcgaga tgacggcagc tttgacgacg ccgttaaggg ttgtgacggc gtcttccatg 360

tcgccgcttc catggagttt gatatctcat cagatcacgt taatctcggt acgacctttt 420

cgttgcaccg gtccttttt tttgagcaca a 451

<210> 18697
<211> 404
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-A10

<400> 18697

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aagatatgga atatggcggc ttgttctgtg atcttccagg gttctatagt caaagagcca 120

tcgatatccg tcactcgtgt agcatggagc ccanatggaa acttgcttgg ggtttctttt 180

actaaacatc tgatccatgt atatgcttac caaggctcag acctacgtca acacctcgag 240

attgatgctc atgtaggctg tgtgaatgac ttggcgttcg cccacccaaa taagcaaatg 300

tgtgttgtga cttgtgggga tgacaaattg attaangtgt gggatttgag tggggaagaa 360

gctcttcacc tttngaaggg cacgaaggca ccagttttat tcca 404

<210> 18698
<211> 469
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-A12

<400> 18698

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aacgtccgct ctatcttgaa aaggagaaat aaataattaa tcactaagcg aaagagattt 120

gatctaaagt aatacaaata aaccttgatt gagattgtna aggagaagag tttaaaagca 180

tggatacaga gagaggatca ataagttcat cagaaatatc cagaactgct catctacaag 240

atagaacagt tgcttgtctt cctccttcgt acggacaact tgtgaccatt cttagcatcg 300

atgggtggtg gaatccgtgg gatnattccc ggcacaatct taagcttacc cttgaatcac 360

aacttcagga attggatggt gaggaggcaa ngcttgtgga ttatttcgat gtcatctcag 420

gaacaancac cngacgtttn attnctggcn aatgttganc gccacaagg 469

<210> 18699
<211> 432
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-A3

<400> 18699

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atgaatgtgt gcaaatcaag caaaagtaac ttgatttgtt gggcttcttt gttatacgtt 120

ctccaaggtg gttcaactaa tattccaaca ttttttatat tacatctttg gtgaaccaat 180

gttatcagaa gggagcatga aagctctttg tacttgtttt tatcagtact cagtaggtat 240

taatcaaatt tgcatgattt gtggaaaaca agtggtcagt ggtggatatg ttcttgttga 300

gtcacaatta ngttgaaaat taanggtgta aagttaagat ttcggtttga nacctcgtct 360

caaccggttt gaacccaaat tgggcctaaa gagaggccaa agatanatgt aagctacacc 420

gaaccggccc ac 432

<210> 18700
<211> 407
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-A8

<400> 18700

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atccttttcc atggctacgc ggctcaacag ggtcagcagg gtcagcagtt tccgaacgag 120

tgccagctcg accagctcaa tgcgctcgag ccttcacacg tactgaagag cgaggctggt 180

cgcatcgagg tgtgggacca ccacgctcct cagctccgtt gctcangtgt ctcctttgca 240

cgttacatca tcgagtctaa gggtctctac ttgccctctt tctttaacaa ccgcgaagct 300

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cattccaaag actcatcaga gttccaacca cgcttcgaag gtcaagg 407

<210> 18701

<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-A9

<400> 18701

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cttaacactt ttgatccttt tccatggcta cgcggctcaa cagggtcagc agggtcagca 120

gtttccgaac gagtgccagc tcgaccagct caatgcgctc gagccgtcac acgtactgaa 180

gagcgaggct ggtcgcatcg aggtgtggga ccaccacgct cctcagctcc gttgctcagg 240

tgtctccttt gcacgttaca tcatcgagtc taagggtctc tacttgccct ctttctttaa 300

caccgcgaag ctctctttcg tggctaaggg acgaggtctt atgggaaaag tgatccctgg 360

atgcgccgaa acattccaaa gactcatcag agttccaanc acgctt 406

<210> 18702
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-G11

<400> 18702

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cacaacaccc ggtgtagccc agtggttcta caacgacgga cagcaaccac ttgtcatcgt 120

cagcatcttc gatctagcca gtcaccagaa ccagcttgac cgcaacccaa ggccatttta 180

cttagccgga aacaacccac aaggtcaagt atggctacaa ggacgagagc aacagccaca 240

gaagaacatc ttcaatggat ttggacccga ggttattgct caagctttga agattgatct 300

tcagacagcg cagcaacttc agaaccaaga tgacaaccgt ggaaacattg tccgagtcca 360

angcccgttc ggtgtcatta ggccgccttt gaggggccag agacctcagg aggaggaaga 420

agaagaagaa ggacgacacg gacgacacgg ta 452

<210> 18703
<211> 303
<212> DNA

<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-002-Q1-E1-B1

<400> 18703

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acatactcag gagagaaatg gcaaccgaaa ccgtattagc cacggcggtg agcaatggca 120

aaagcaaagg atgttgcaag tccggtccag gttacgcgac gcctctcgcc gccatggccg 180

gtccacggga aaagctcatc tatgtcactg ccctttactc cggaacgggg cgagacnanc 240

cgggactact tggcaacggt ngatgtggat ccaaactcan ccacattttc anngcgtcat 300

tca 303

<210> 18704
<211> 457
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-E4

<400> 18704

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tctcttcttt ctttctcctt aacacttttg atccttttcc atggctacgc ggctcaacag 120

ggtcagcagg gtcagcagtt tccgaacgag tgccagctcg accagctcaa tgcgctcgag 180

ccttcacacg tactgaagag cgaggctggt cgcatcgagg tgtgggacca ccacgctcct 240

cagctccgtt gctcaggtgt ctcctttgca cgttacatca tcgagtctaa gggtctctac 300

ttgccctctt tctttaacac cgcnaagctc tccttcgtgg ctaaaggacg aggtcttatg 360

ggaaaagtga tccctggatg cgccgaaaca ttccaagact catcagagtt ccnaaccaag 420

gctttcgaag gtcaaggtca aagccaagag gttccgt 457

<210> 18705
<211> 406
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
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<400> 18705

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gtcattgagc ctcagggtct tttcttgccc actttcttga acgccggcaa actcacgttt 180

gttgttcacg gaaggggtct aatgggaaga gttattccgg gatgcgccga gacgttcatg 240

gagtcaccgg tatttggaga aggtcaaggt cagggtcaga gtcaagggtt ccgtgacatg 300

caccagaaag tagagcacct acggtgcggt gacaccattg caacaccatc tggtgtnacc 360

caatnggttc tacaacaatg gaaatgancc tctcattctt gttgca 406

<210> 18706
<211> 402
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-E6

<400> 18706

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tcttaacact tttgatcctt ttccatggct acgcggctca acagggtcag cagggtcagc 120

agtttccgaa cgagtgccag ctcgaccagc tcaatgcgct cgagccgtca cacgtactga 180

agagcgaggc tggtcgcatc gaggtgtggg accaccacgc tcctcagctc cgttgctcag 240

gtgtctcctt tgcacgttac atcatcgagt ctaagggtct ctacttgccc tctttcttta 300

acaccgcgaa gctctctttc gtggctaagg gacgaggtct tatgggaaaa gtgattcctg 360

gntgcgcgga aacatcnaag actcatcaga gttccaacca tg 402

<210> 18707
<211> 401
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-E8

<400> 18707

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ttcgagttta ctaagaataa tatctatgga actcatgtcc ttcttgaggc ttgtaaagtt 180

actggtcaga ttaggaggtt tattcatgtt agtactgatg aagtttatgg tgaaactgat 240

gaggatgctc ttgttggtaa ccatgaggct tctcagctgc ttccgacgaa tccttactct 300

gccacgaaag ctggtgctga gatgcttgtt atggcttatg gtagatctat gggttgccct 360

gttaattaac aactcgtggg aataacgtct atggaccgaa t 401

<210> 18708
<211> 462
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-F1

<400> 18708

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caggctctgc ccactggatc tacaactcag gagaacagcc acttgtcatc atcgctcttc 120

tcgacatcgc caactaccaa aaccaactcg accgcaaccc tagagtgttc catttggccg 180

gaaacaacca gcagggaggc tttggcggtt cacagcaaca acaagaacag aaaaacttgt 240

ggagcgggtt cgacgcacag gtcatagctc aagcattgaa aattgacgtt cagttggctc 300

agcagcttca gaaccaacan gacagcagag gaaacatcgt tcgtgttaag ggacctttcc 360

aggtcgtgag gccacctcta aagacagccc taccagangc gagggatngg gaacaccant 420

ttncccaana ggncancggc cttgagggag nctatctgca ng 462

<210> 18709
<211> 452
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-F10

<400> 18709

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aaaatgggtc gagtctcatc tattatctct ttctctttga cactcttgat cctcttcaat 120

ggctacactg cccaacagtg gcccaacgag tgccagctcg atcaactcaa tgcgctcgaa 180

ccatcccaaa tcatcaagag cgagggtggt cgcatcgagg tctgggacca ccatgcaccc 240

cagctccgtt gctccggctt tgcctttgag cgtttcgtca ttgagcctca gggtcttttc 300

ttgcccactt tcttgaacgc cggcaaactc acgtttgttg ttcacggaan gggtctaatg 360

ggaagagtta ttccgggatg cgccgagacg ttcatggagt caccggtatt tggagaaggt 420

caaggtcagg gtcagagtca agggttccgt ga 452

<210> 18710
<211> 341
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-F11

<400> 18710

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aactcaatgc gctcgaacca tcccaaatca tcaanagcga gggtggtcgc atcgaggtct 180

gggaccacca tgcaccccag ctccgttgct ccggctttgc ctttgagcgt ttcgtcattg 240

agcctcaggg tcttttcttg cccactttct tgaacgncgg caaactcacg tttgttgttc 300

acgggnaggg gtctanntgg ggaanagtna ntccgggatg c 341

<210> 18711
<211> 456
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-F12

<400> 18711

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ctatagaaag aatcaaagtg aagttgcaga aataaagacc aantcaaatg aataatttat 180

taaattgata aggtggcaac caacanatat attgcactta atatagtaaa aaatcataca 240

ttgctgtcag tgagtagtaa accaagtagt cacccatata taaatttctg gaaaatatga 300

aactcctaat cctacatgac ttaaaccttt tttagataat ttcattatca aatggctatt 360

ctttcaattc acccttatat ctttgcacaa caatagagag anannangaa gttcanaaag 420

gnacatagng atctaantaa ganaggtttt tgggtc 456

<210> 18712
<211> 458
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-F3

<400> 18712

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aatggtcaaa tcattatata aagactggag caatgggaac gaaaacgggt gcatcaaacc 120

aacatagttg ataggcttga tgttaccttа gcagctcttg ttcttgctct agaccagcgt 180

gaaactgcag tctcttgctt ctcaatttca aaaaacgata tagaacttct tttaagttca 240

gcaaagtcaa gtaccttcca cctgcaaatt ccatttagtt actactaaac agataatttt 300

atcctctcta tatataccaa tgccaataat cataacacca cgaaccatct ttgctcaacg 360

actacagcac aatcagctaa gccttcttct gggttcgaaa acttctaaaa aaccntccng 420

taactttaat gcagcttgat atgttccatc acctaata 458

<210> 18713
<211> 423
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-F4

<400> 18713

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atgaccctct ttagatcgtt ctgtaatatt ccagtggttg ccgcaaggaa tgacgtcgta 180

gctcctgcag aagtaataac aatcaaagcc gtaggtgggt attcaaatan aggggagcac 240

cttgctatca tgaaaacgcc agctgttacc atagtanctg catgaatcga agcggatact 300

ggagtgggac cctccatagc atcgggtgac caagtatgcg atcctatctg cgcggatttc 360

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gna 423

<210> 18714
<211> 460
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-F7

<400> 18714

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cttggagaaa gatacgaccc atcgttatgg ggcaaacact tttaagttac acaggctccc 120

agttccaaga ccagggcagg tgctagggtt ggttggaacc aatggtattg gaaaatcaac 180

tgctctgaaa attttggctg gaaagctcaa accaaatttg ggccgtttca ctagtcctcc 240

agactggcaa gaaatcttga ctcacttccg tggttcagaa cttcaaaact acttcacacg 300

tattctagaa gataatctta aggccattat aaagcctcaa tatgtcgacc acatcccaag 360

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gaagactctg ttgccggatc tggagctgaa ccaaggtcat 460

<210> 18715
<211> 455
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-F9

<400> 18715

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agcaattgaa gctgttttgg ttaatacaaa tcagttctac aaatggttta ctgatcttga 120

atcagcgatg aagtctgaga cagaggaaaa gtatcggcac tatgttagta ctttaactga 180

gcgcatccag acgtgtgata atatacttca ccaggttgat gaaacacttg acctatttaa 240

cgaactgcaa ctacaacatc aaggagtaac aacaaagact aaaactcttc atgacgcatg 300

tgaccgactg ttaatggaga agcagaaatt gatggaattt gcagaagctc taaggagtaa 360

gctcaactat tttgatgaac tggagaatgt atcctctaat ttttattcac caaatatgaa 420

tgtatcaaac tcaaactttc tcccactact gaaag 455

<210> 18716
<211> 461
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-G1

<400> 18716

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gatccttttc catggctacg cggctcaaca gggtcagcag ggtcagcagt ttccgaacga 180

gtgccagctc gaccagctca atgcgctcga gccgtcacac gtactgaaga gcgaggctgg 240

tcgcatcgag gtgtgggacc accacgctcc tcagctccgt tgctcaggtg tctcctttgc 300

acgttacatc atcgagtcta agggtctcta cttgccctct ttctttaaca ccgcgaagct 360

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acattccagg gnctnatcng gggtnccanc cacgcgttcg g 461

<210> 18717
<211> 450
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-G10

<400> 18717

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aaaatggctc gagtctcttc tcttctttct ttctccttaa cacttttgat ccttttccat 120

ggctacgcgg ctcaacaggg tcagcagggt cagcagtttc cgaacgagtg ccagctcgac 180

cagctcaatg cgctcgagcc ttcacacgta ctgaagagcg aggctggtcg catcgaggtg 240

tgggaccacc acgctcctca gctccgttgc tcaggtgtct cctttgcacg ttacatcatc 300

gagtctaagg gtctctactt gccctctttc tttaacaccg cgaagctctc cttcgtggct 360

aaaggacgag gtcttatggg gaaaagtgat ccctggatgc gccgaaacat tccaagactc 420

atcagagttc caaccacgct tcgaaggtca 450

<210> 18718
<211> 448
<212> DNA
<213> Arabidopsis thaliana

<223> unsure at all n locations
<223> Clone ID: LIB146-001-Q1-E1-E12

<400> 18718

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ctcccaaatc tttatacacc aaatgtatca taaccatcat ttacgtagta tcaatctctc 180

atctaaatgc ccatttcata acttcatgca aacaaacccc ataccctagc gtctgcgacc 240

accacatgtc taattcacct ctcaaacctt tagacgacca aacggatggg ttcactttcc 300

acgaccttgt ggtcagctcc accatggacc aggccgtaca actacaccgc cttgtgtctt 360

ccgtgaaaca gcatcattct ctccacaaac acgcaacatc agctttgttt gactgcttgg 420

agctctacga angacactat agaccang 448